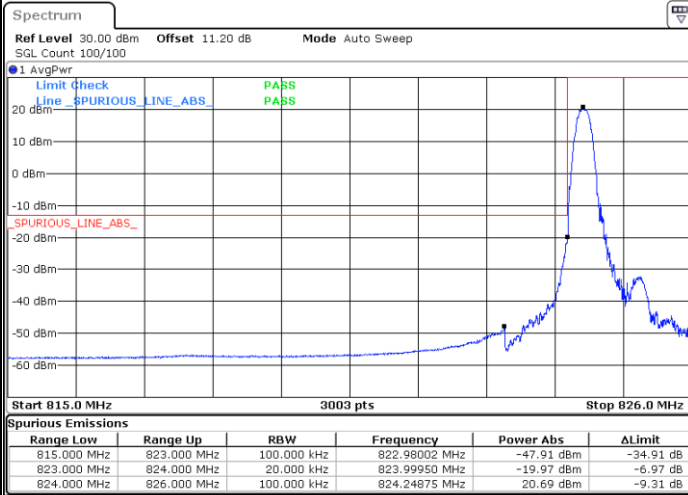




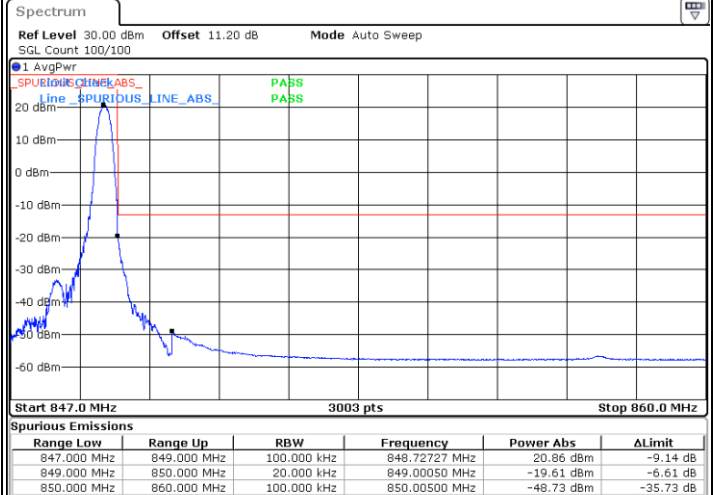
# Conducted Band Edge

## LTE Band 26 / 1.4MHz / QPSK

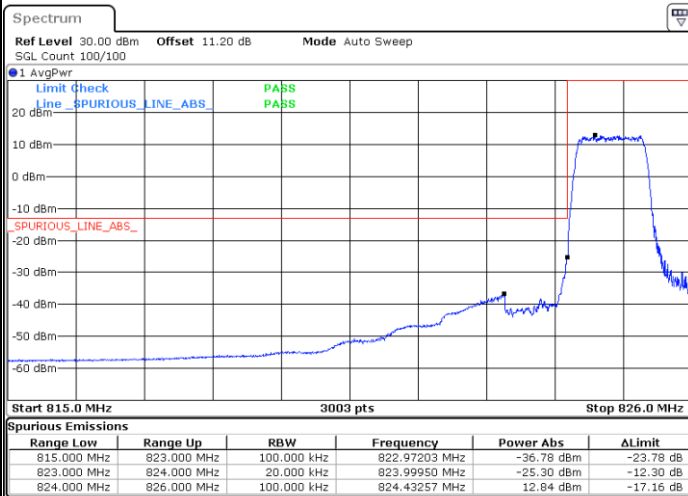
### Lowest Band Edge / 1RB



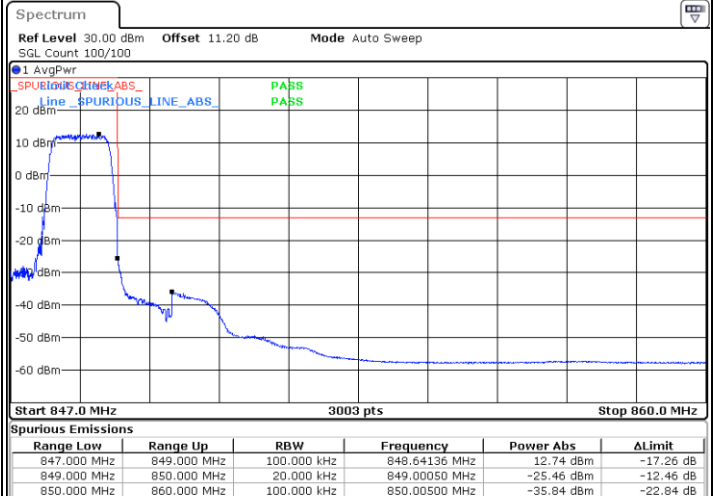
### Highest Band Edge / 1RB



### Lowest Band Edge / Full RB



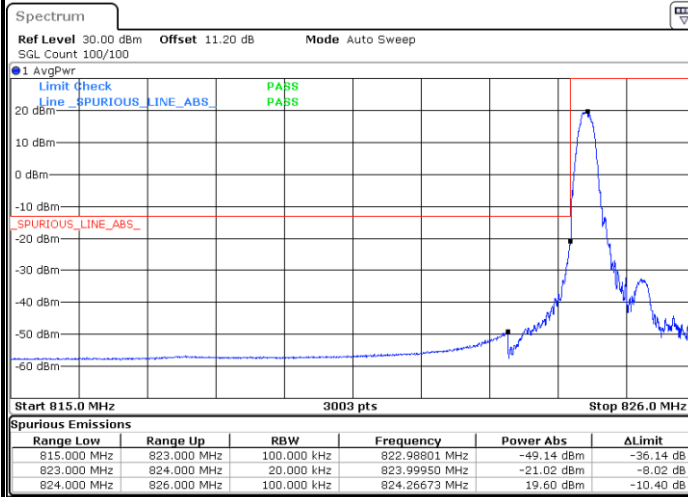
### Highest Band Edge / Full RB





## LTE Band 26 / 1.4MHz / 16QAM

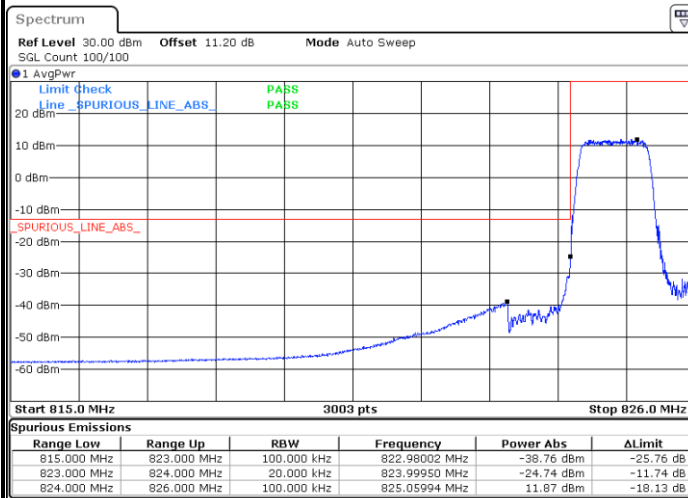
## Lowest Band Edge / 1 RB



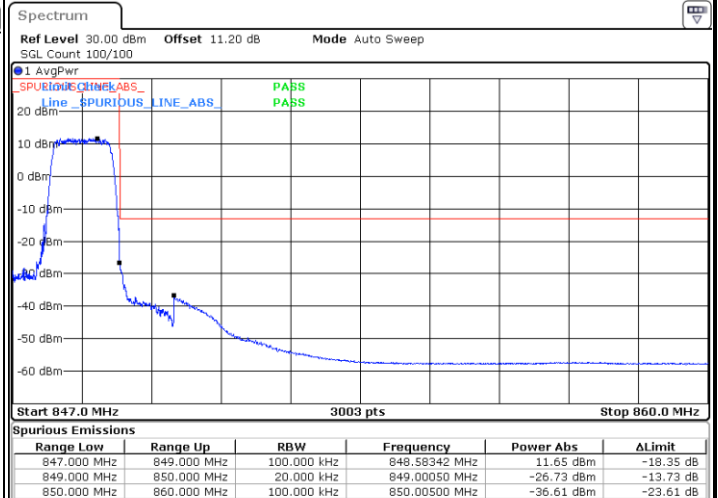
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



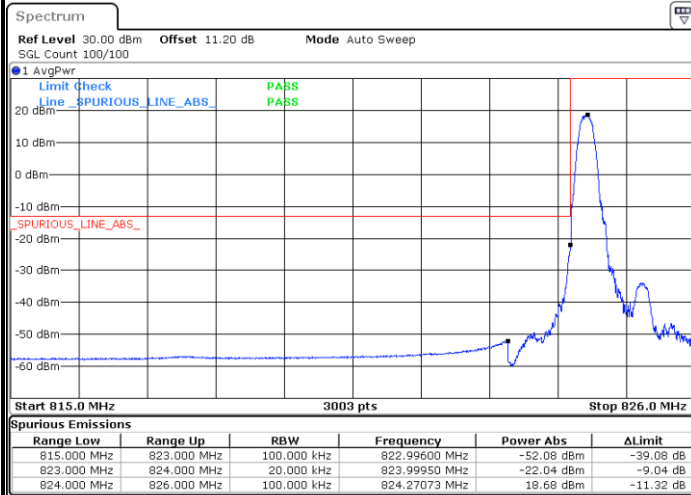
## Highest Band Edge / Full RB





## LTE Band 26 / 1.4MHz / 64QAM

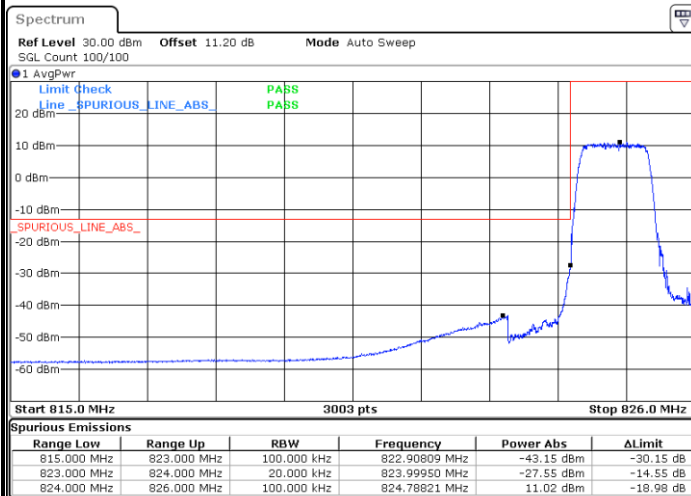
## Lowest Band Edge / 1 RB



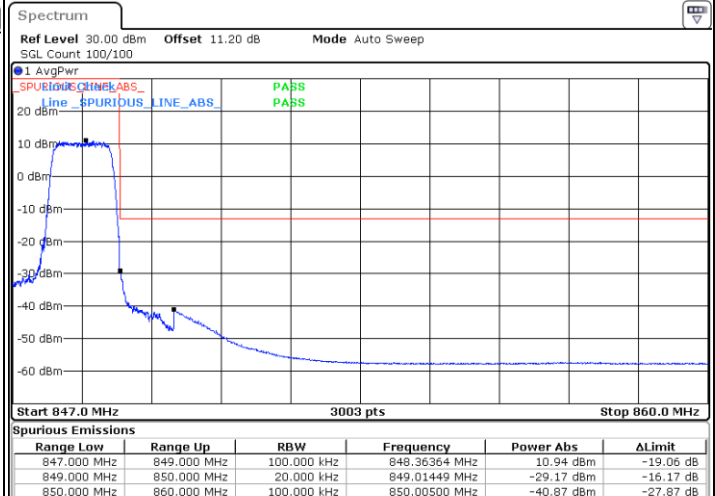
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



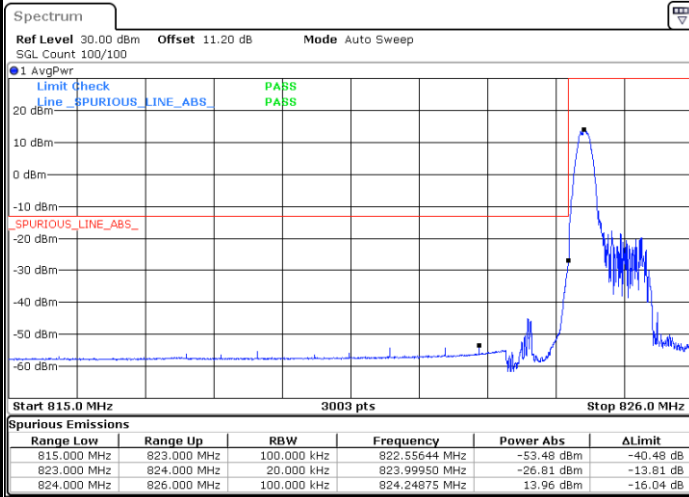
## Highest Band Edge / Full RB



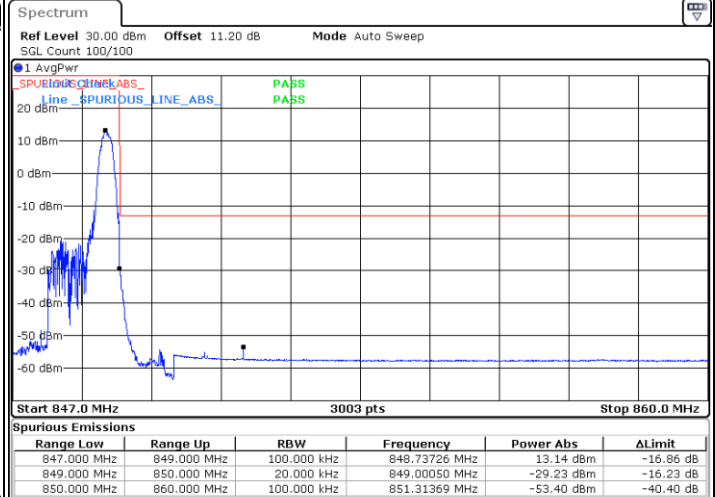


## LTE Band 26 / 1.4MHz / 256QAM

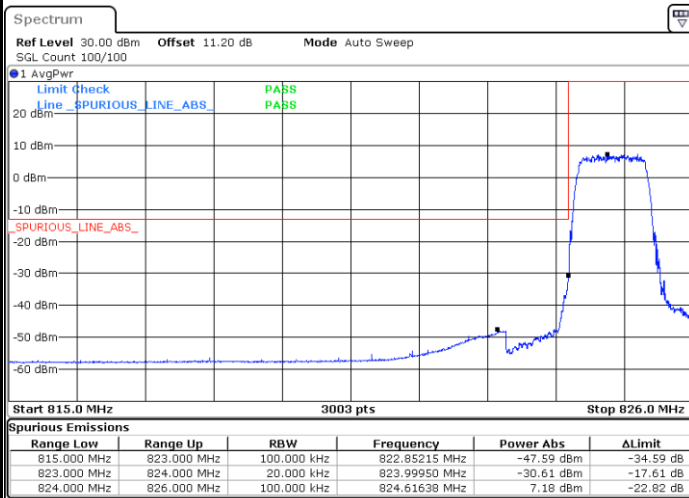
## Lowest Band Edge / 1 RB



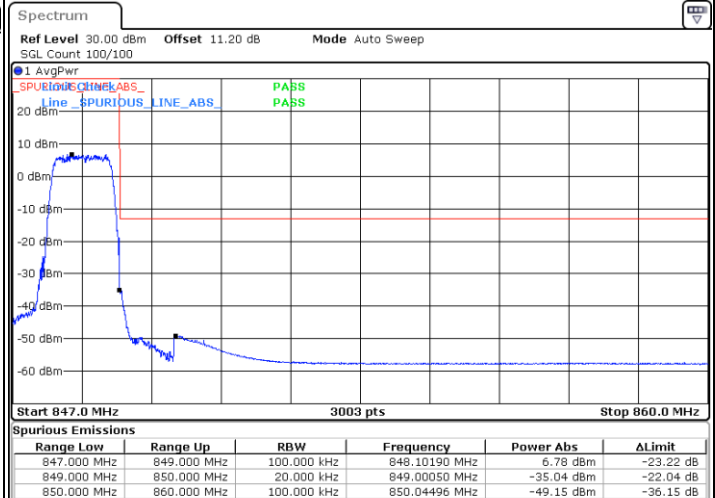
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



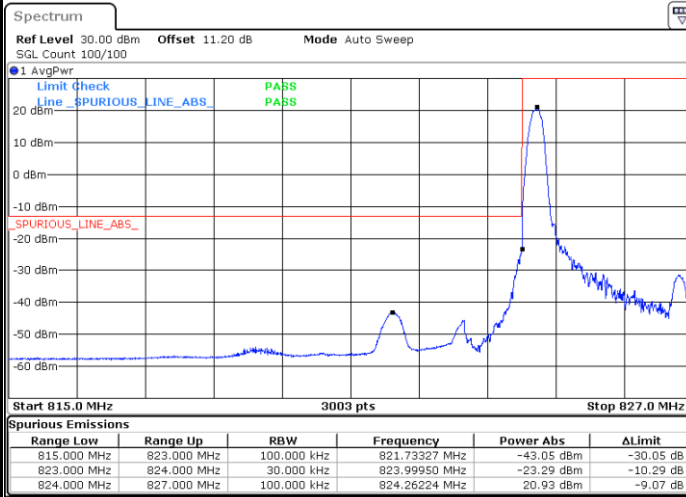
## Highest Band Edge / Full RB



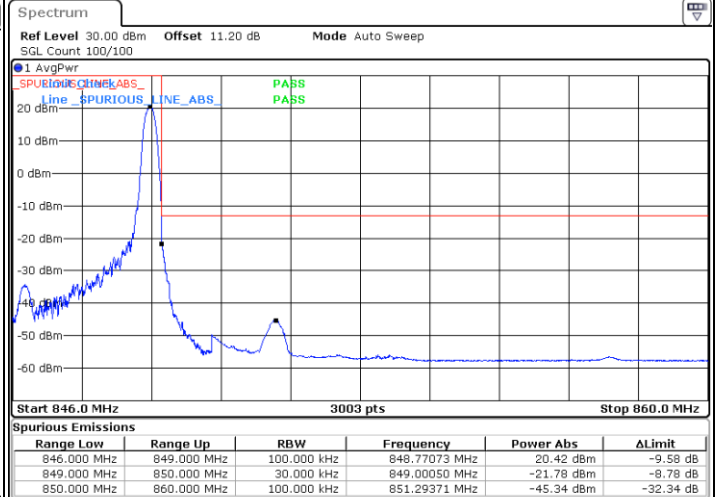


## LTE Band 26 / 3MHz / QPSK

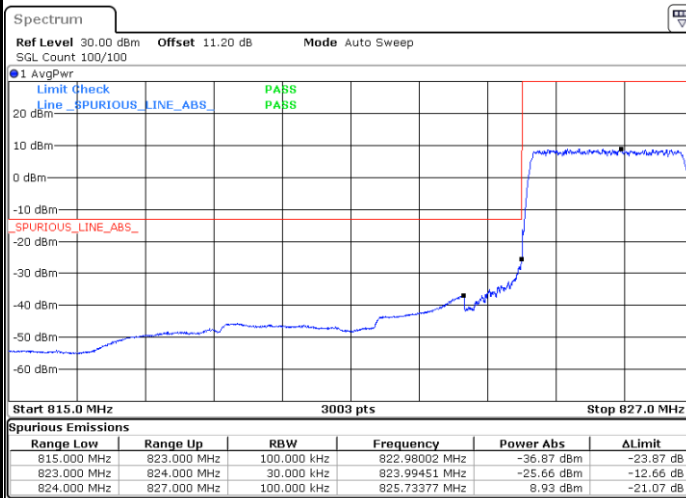
## Lowest Band Edge / 1RB



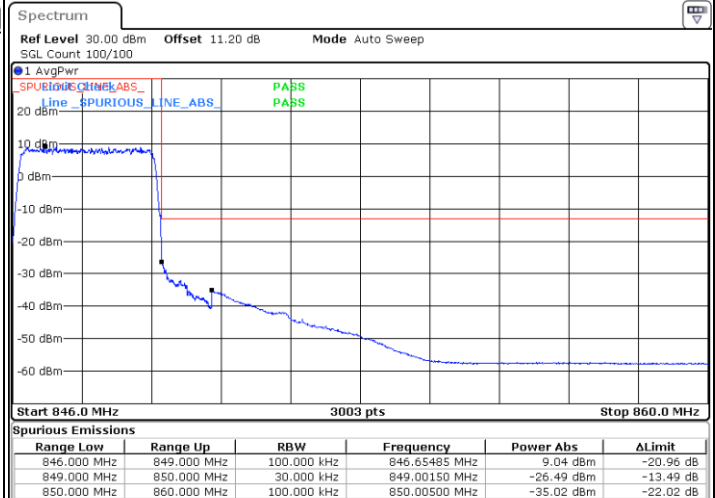
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB



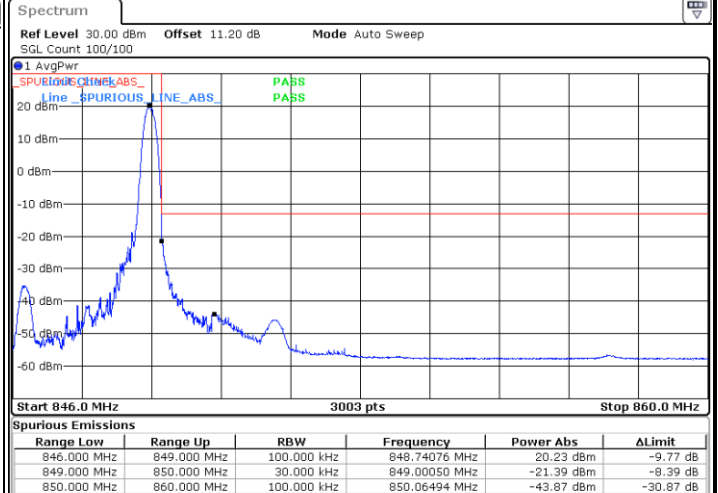


## LTE Band 26 / 3MHz / 16QAM

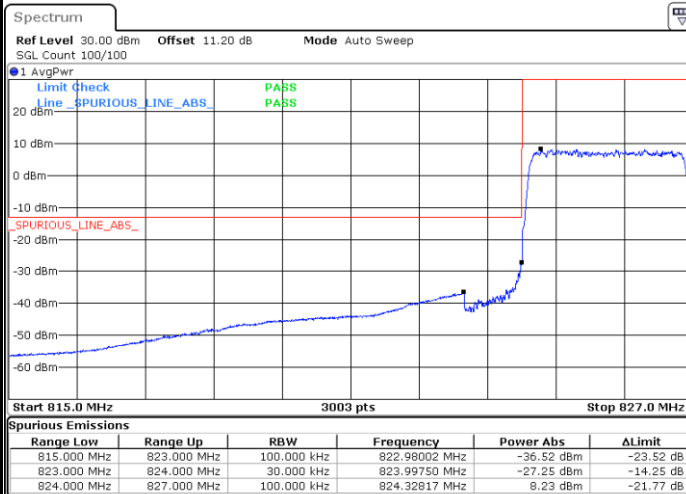
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



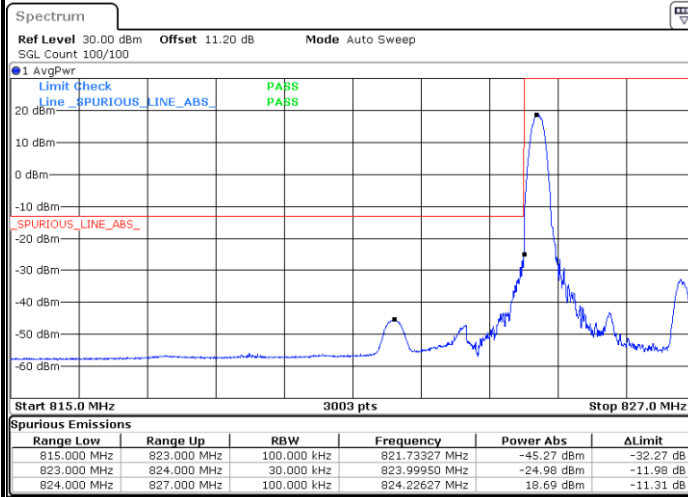
## Highest Band Edge / Full RB





## LTE Band 26 / 3MHz / 64QAM

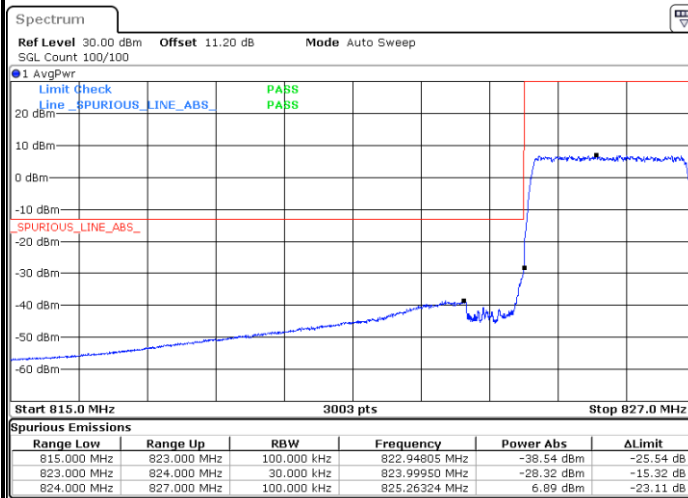
## Lowest Band Edge / 1 RB



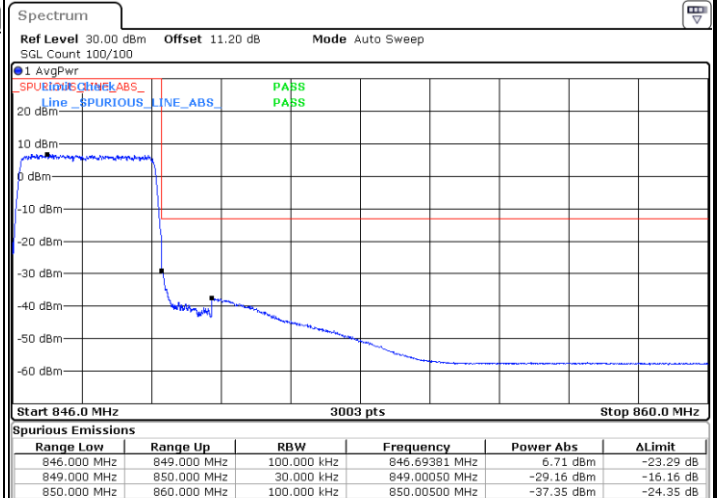
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



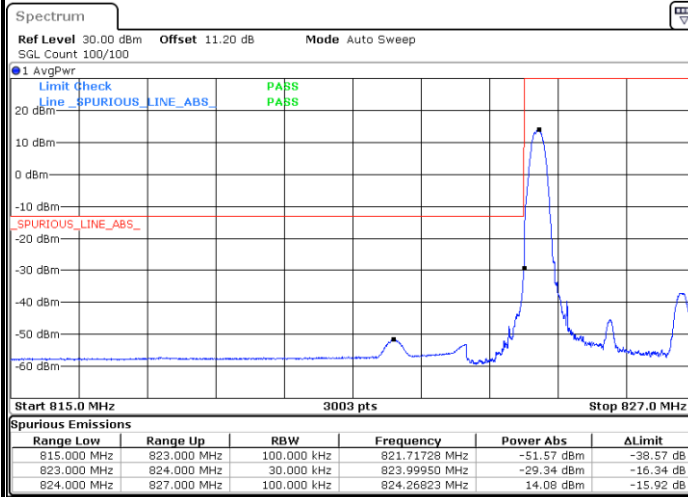
## Highest Band Edge / Full RB



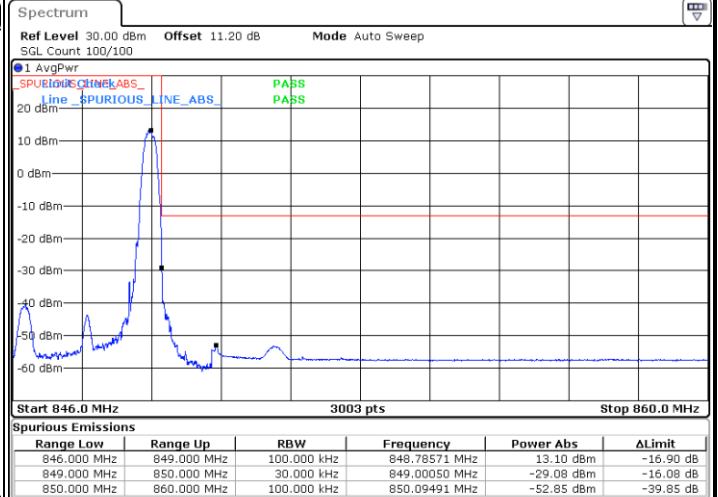


## LTE Band 26 / 3MHz / 256QAM

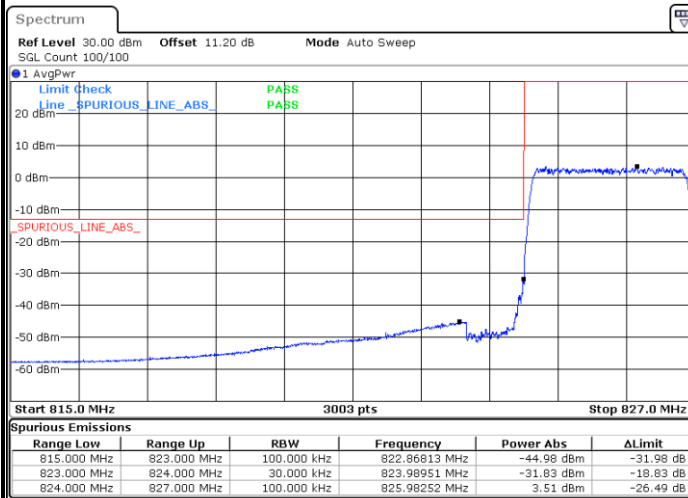
## Lowest Band Edge / 1 RB



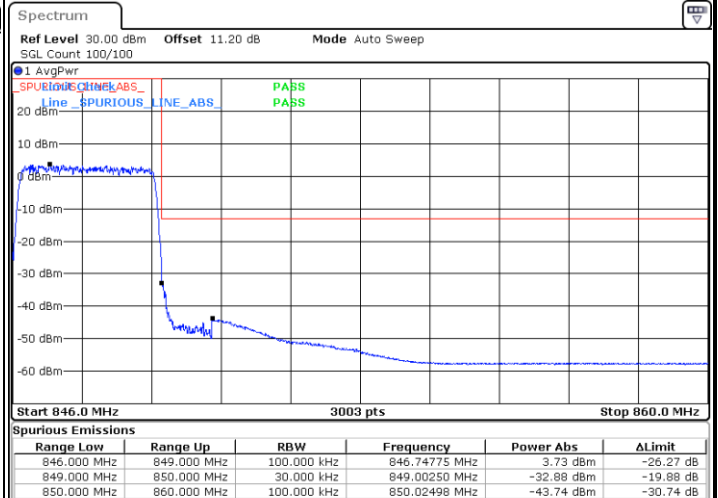
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

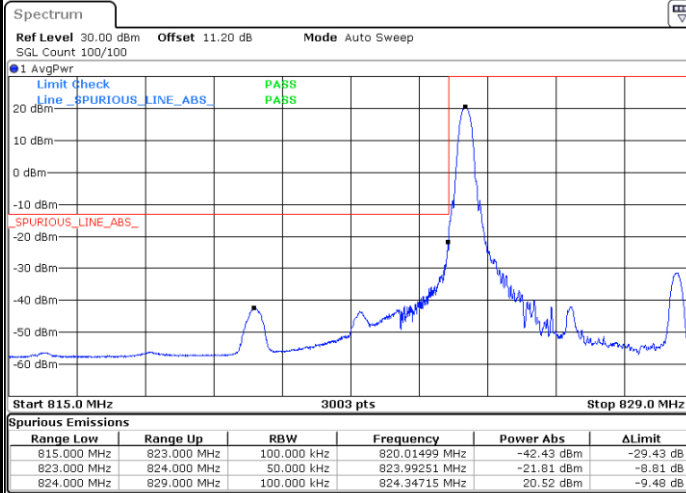




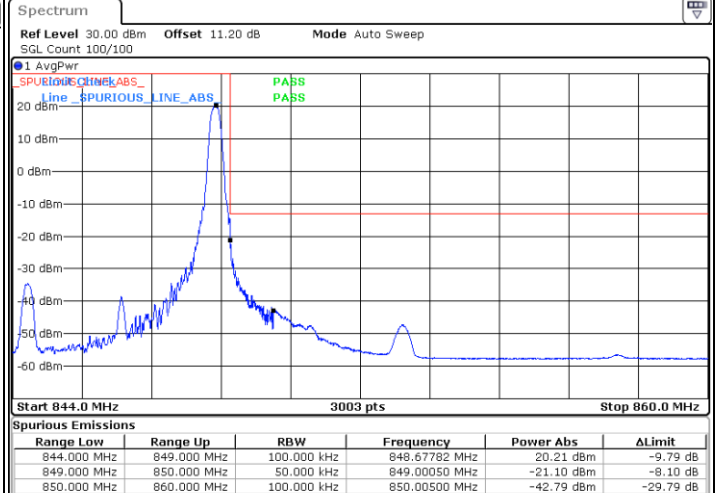


## LTE Band 26 / 5MHz / QPSK

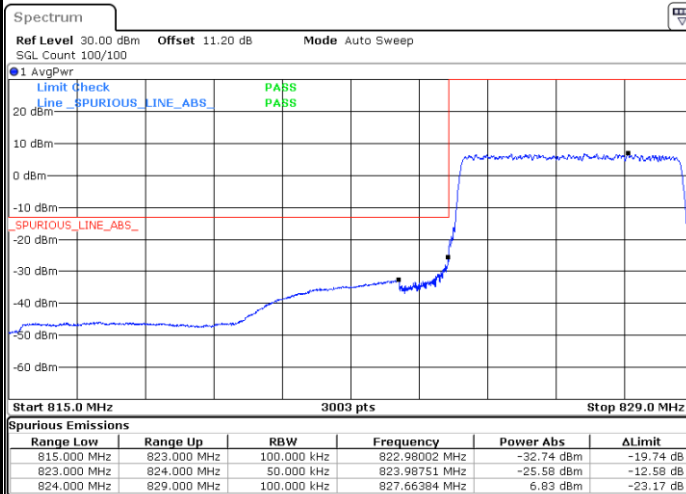
## Lowest Band Edge / 1 RB



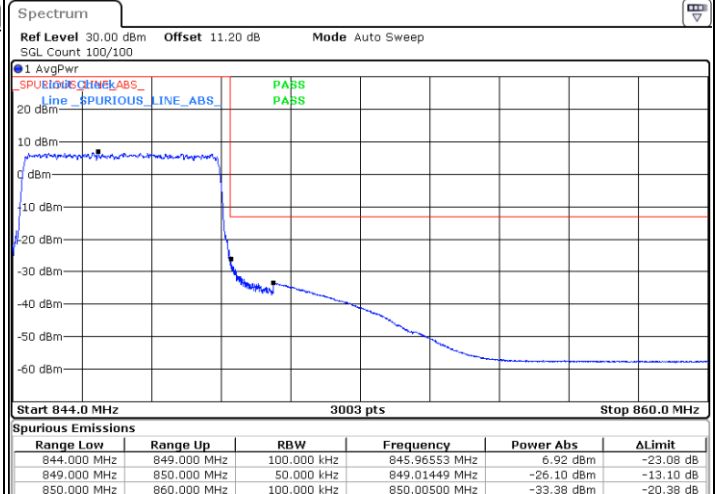
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



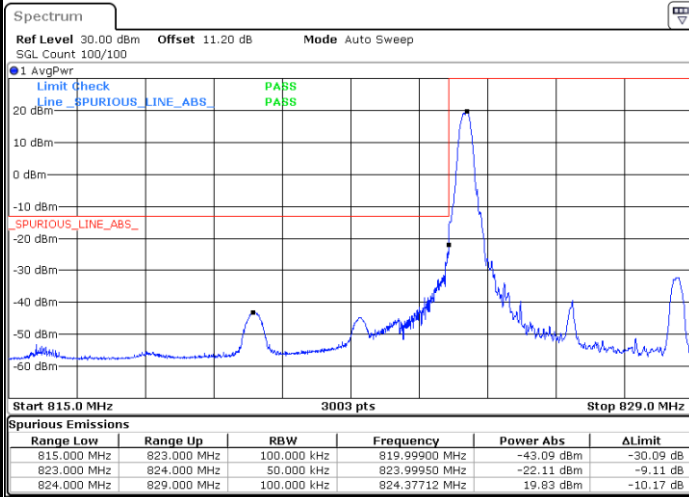
## Highest Band Edge / Full RB



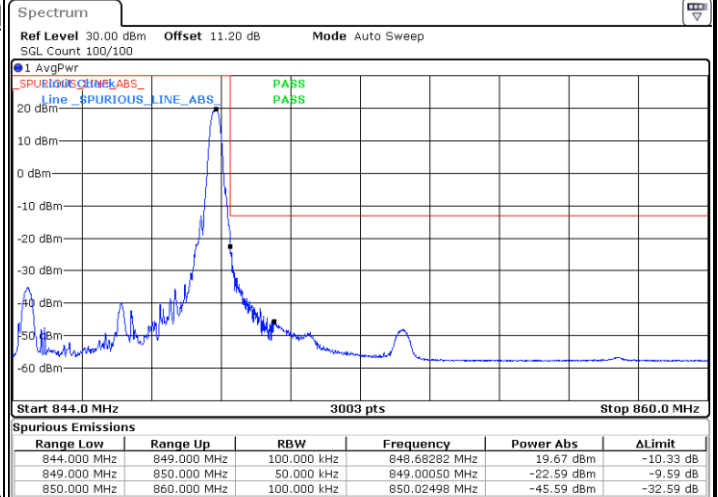


## LTE Band 26 / 5MHz / 16QAM

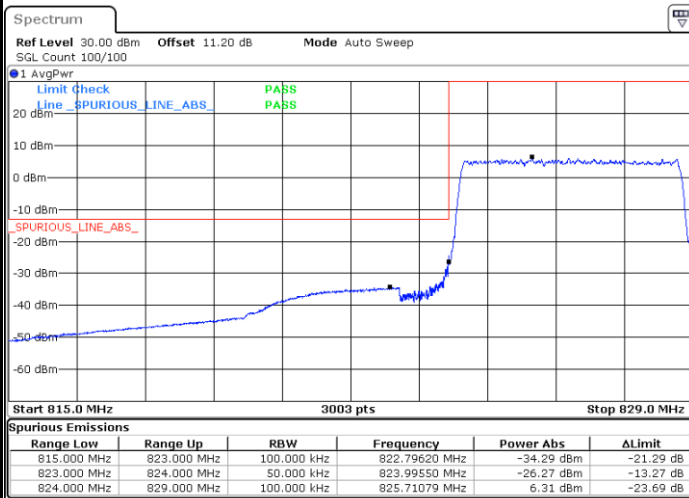
## Lowest Band Edge / 1RB



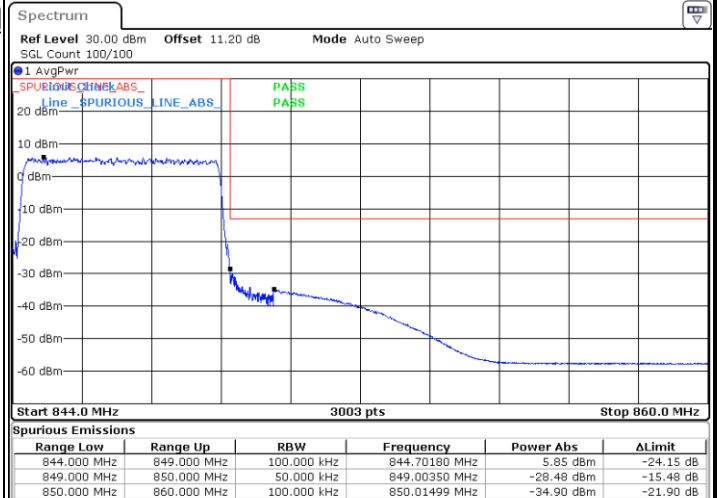
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



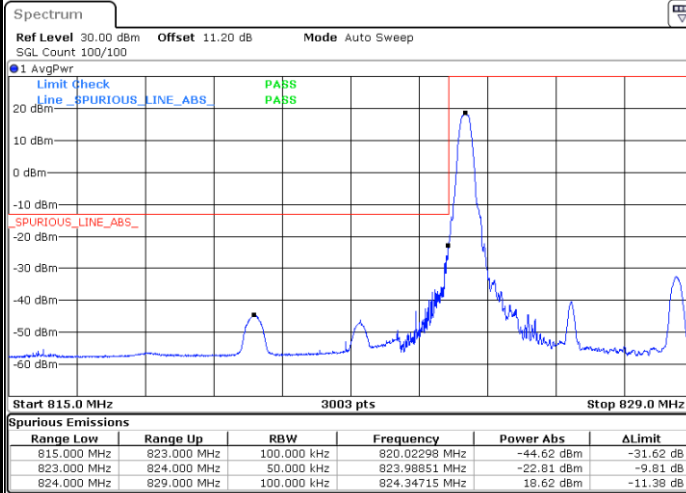
## Highest Band Edge / Full RB



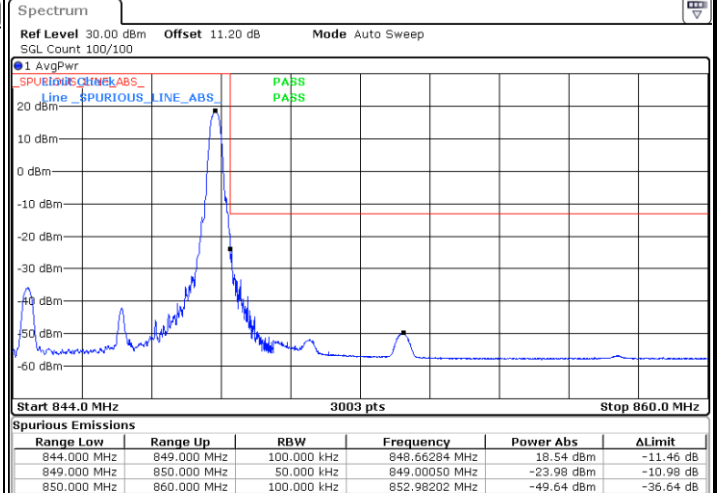


## LTE Band 26 / 5MHz / 64QAM

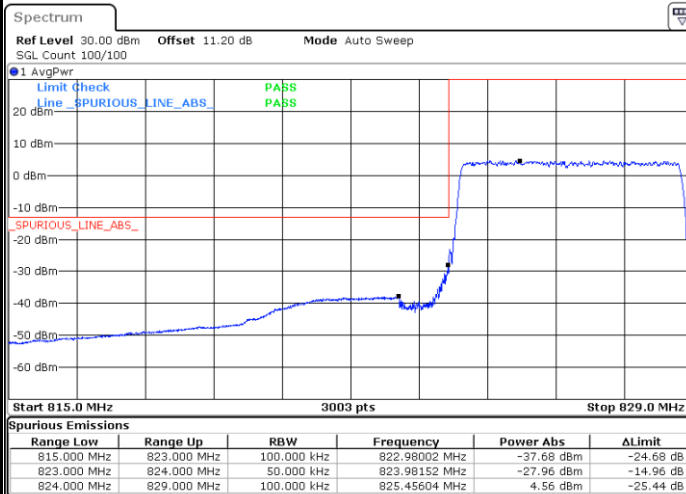
## Lowest Band Edge / 1RB



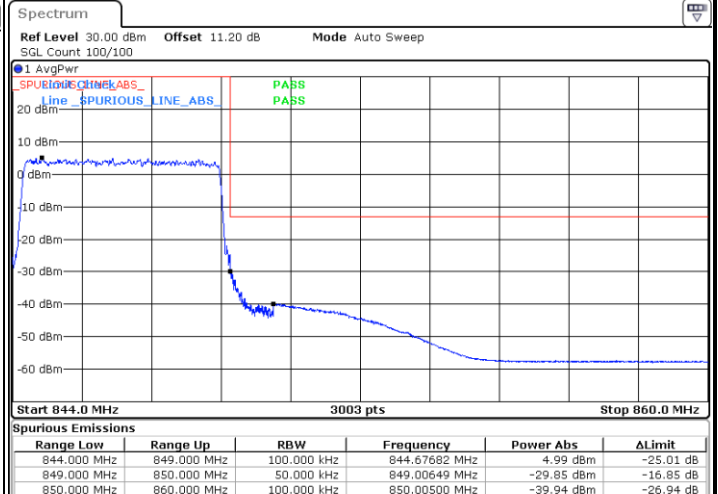
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



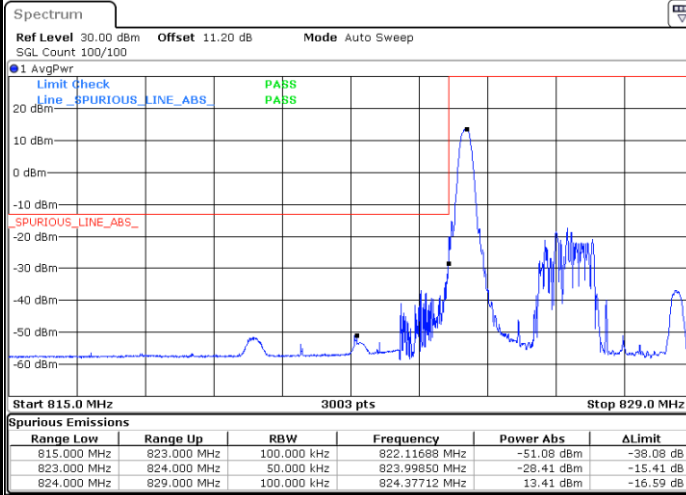
## Highest Band Edge / Full RB



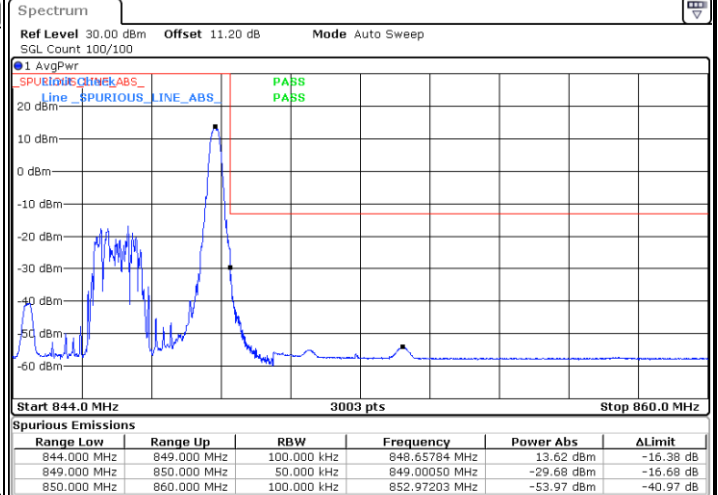


## LTE Band 26 / 5MHz / 256QAM

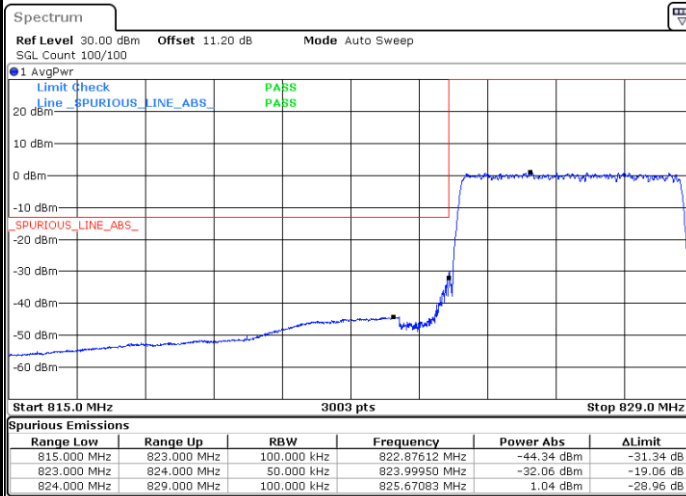
## Lowest Band Edge / 1RB



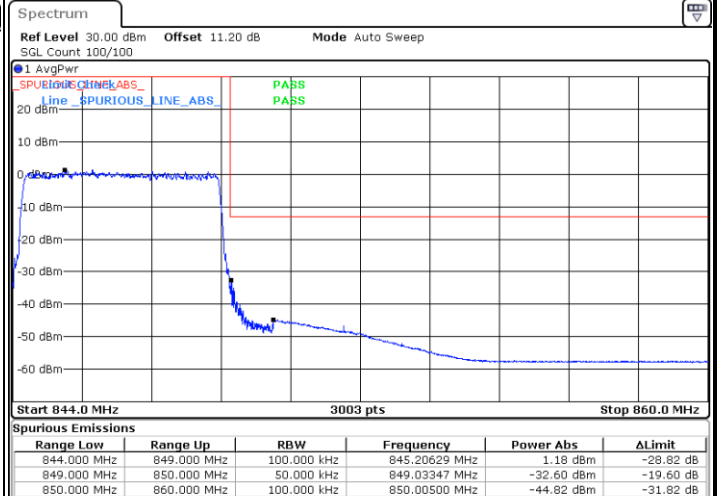
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



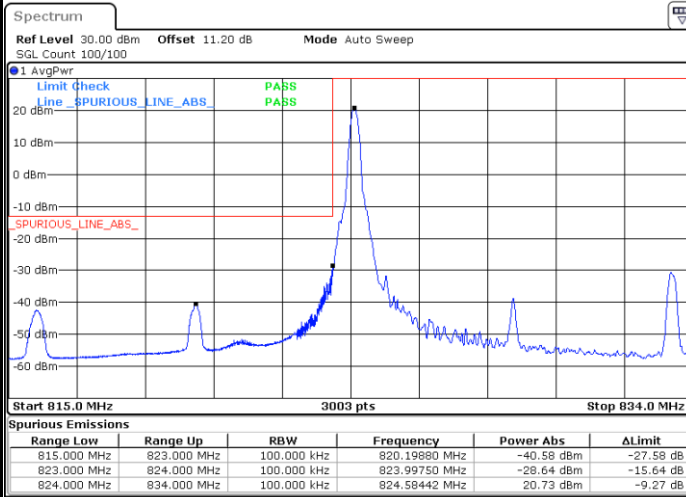
## Highest Band Edge / Full RB



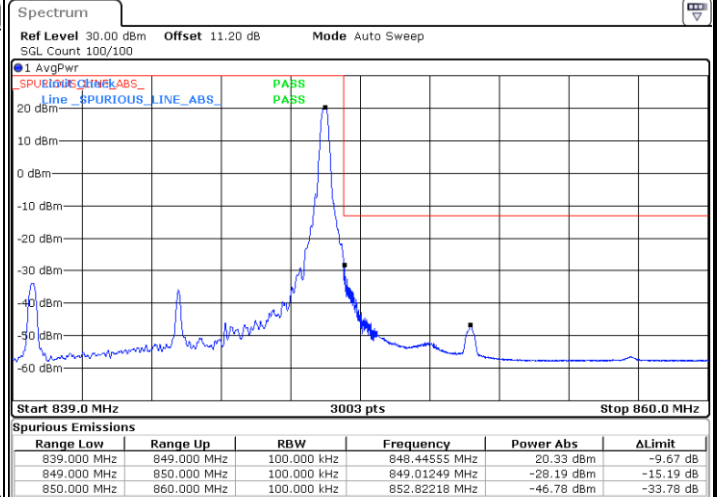


## LTE Band 26 / 10MHz / QPSK

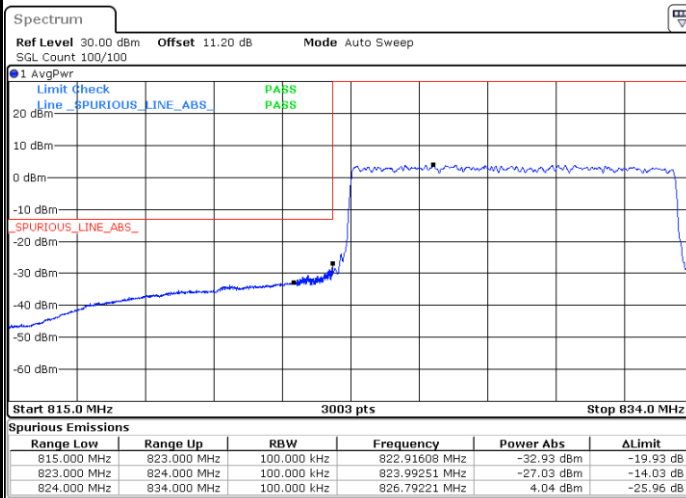
## Lowest Band Edge / 1 RB



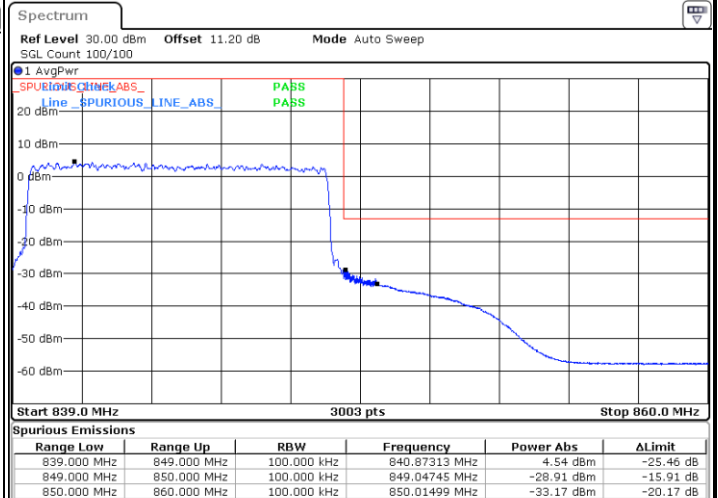
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



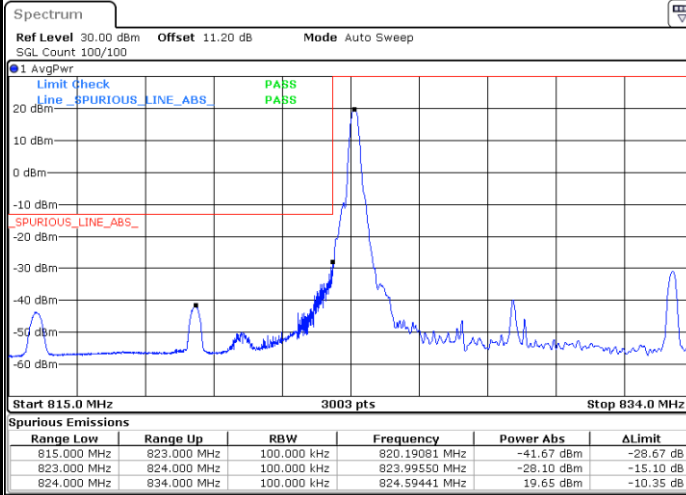
## Highest Band Edge / Full RB



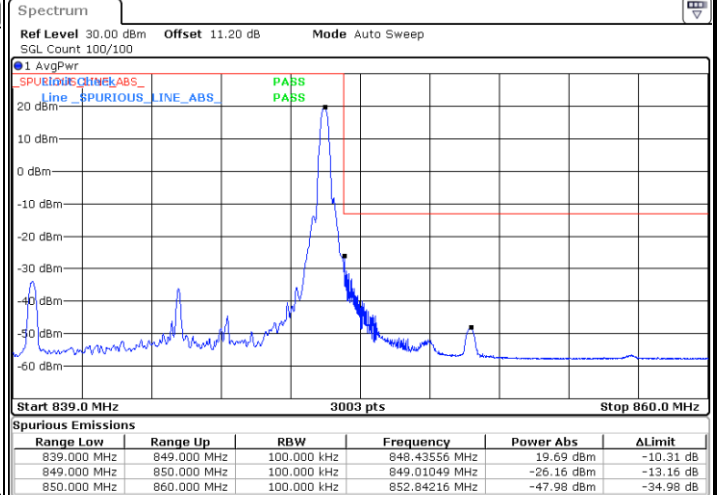


## LTE Band 26 / 10MHz / 16QAM

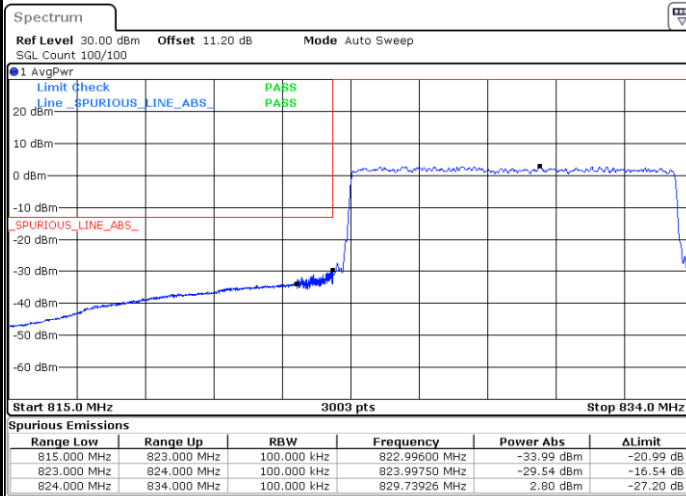
## Lowest Band Edge / 1 RB



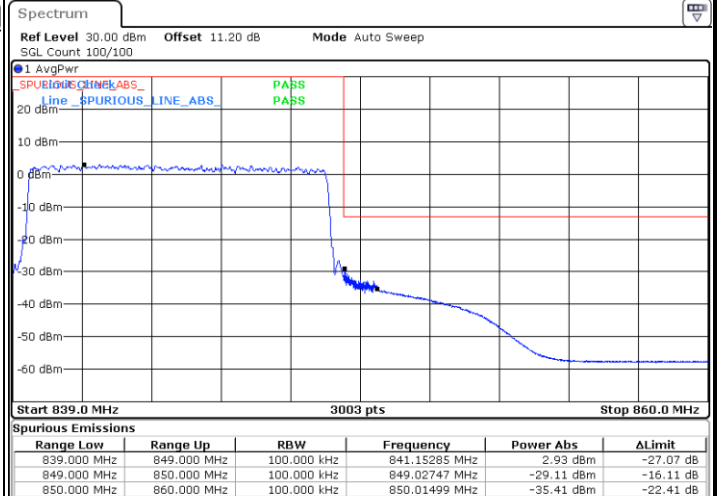
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



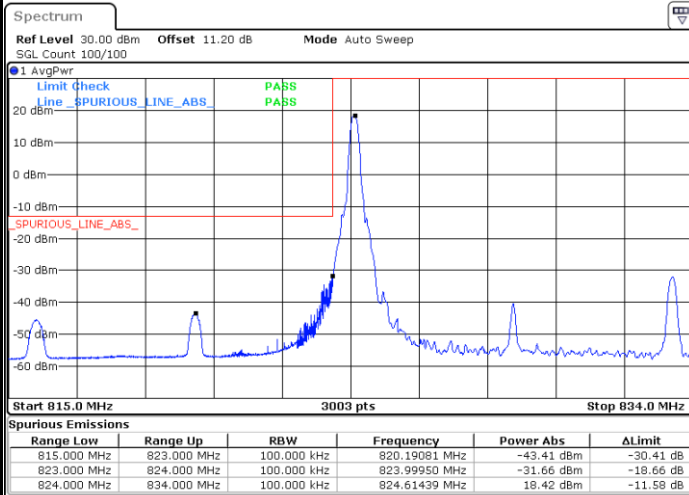
## Highest Band Edge / Full RB



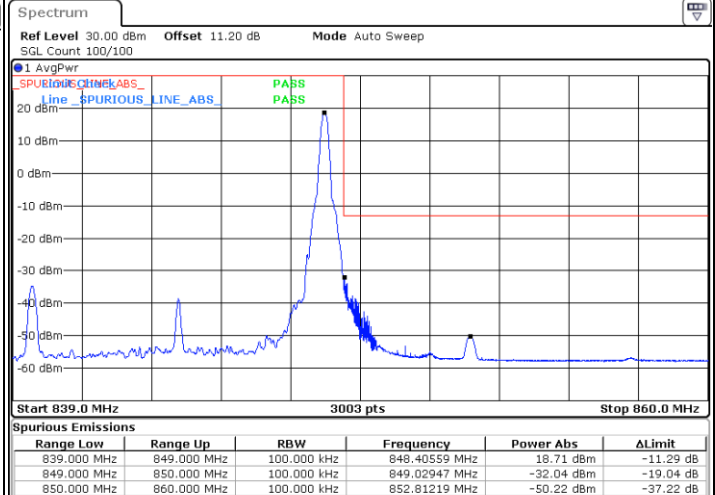


## LTE Band 26 / 10MHz / 64QAM

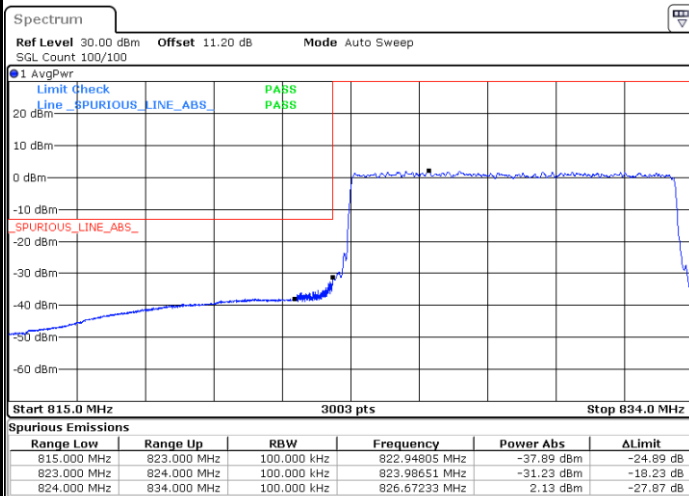
## Lowest Band Edge / 1 RB



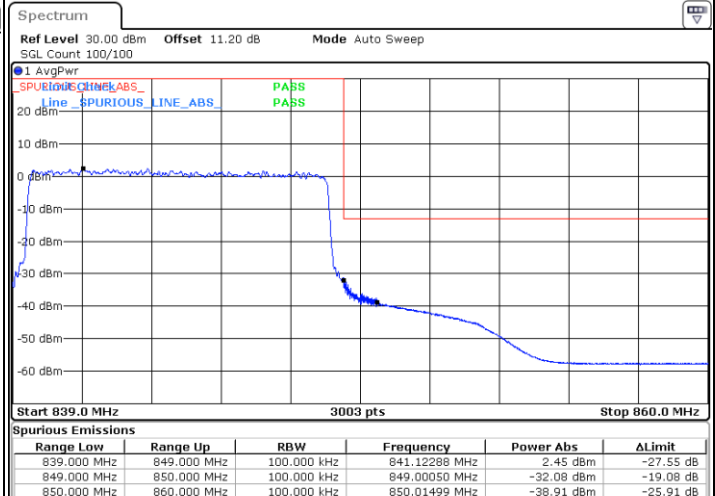
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



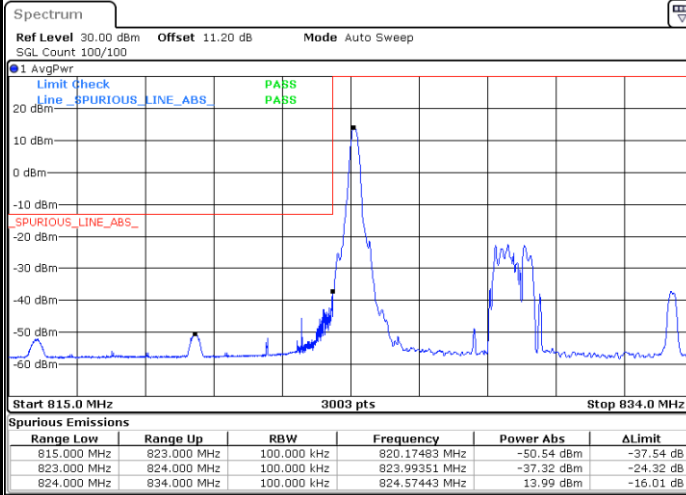
## Highest Band Edge / Full RB



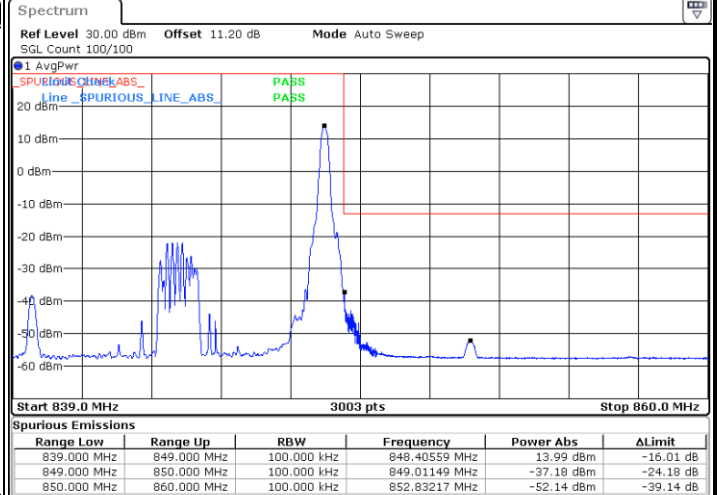


## LTE Band 26 / 10MHz / 256QAM

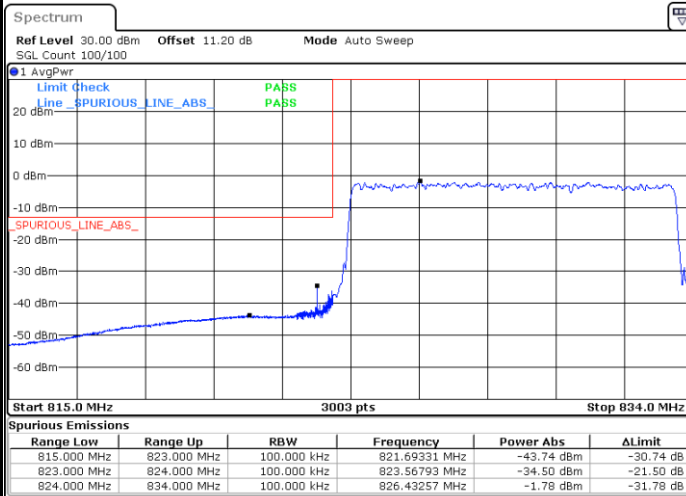
## Lowest Band Edge / 1 RB



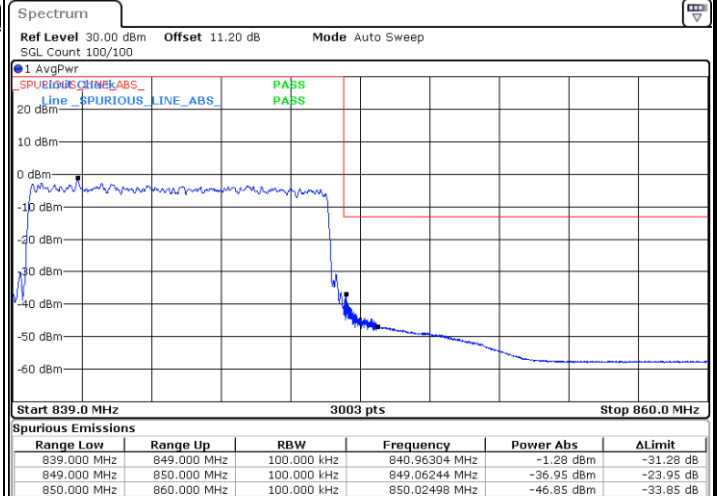
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

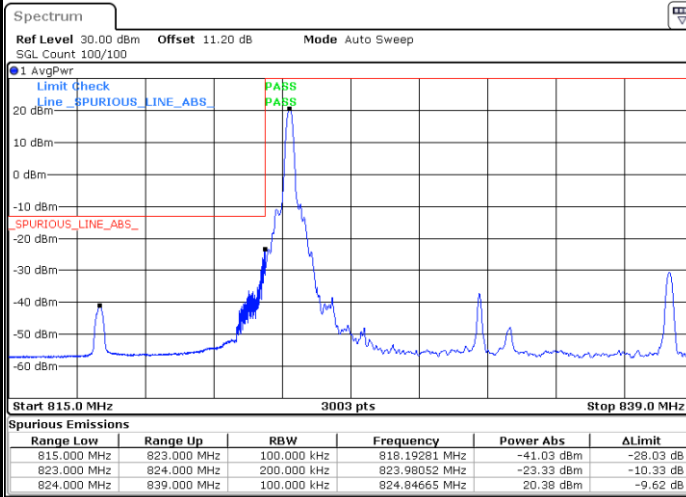




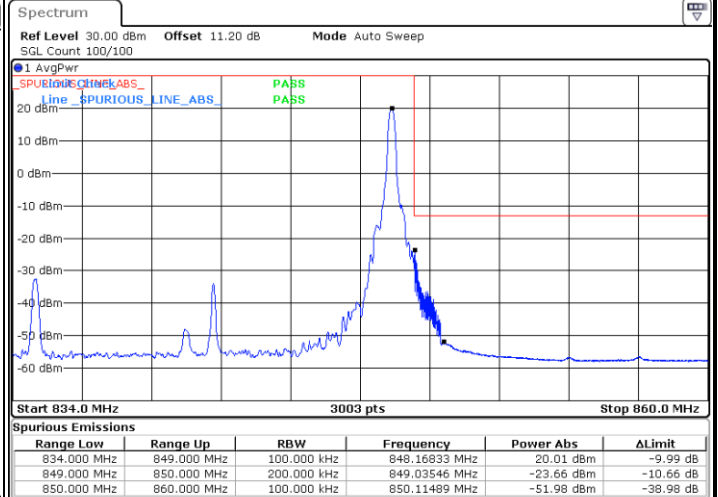


## LTE Band 26 / 15MHz / QPSK

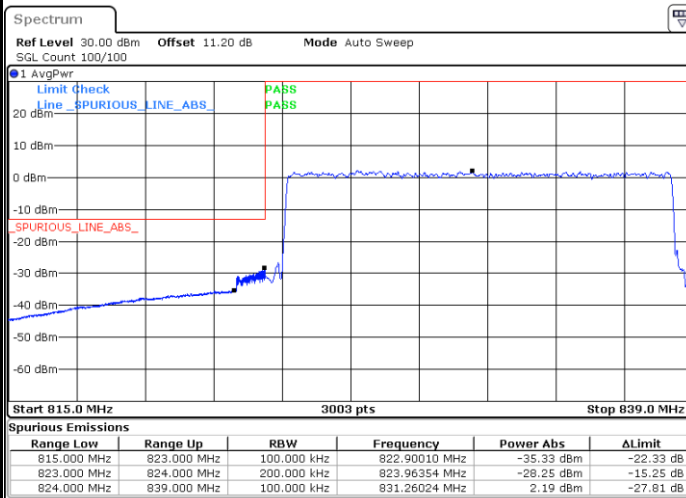
## Lowest Band Edge / 1 RB



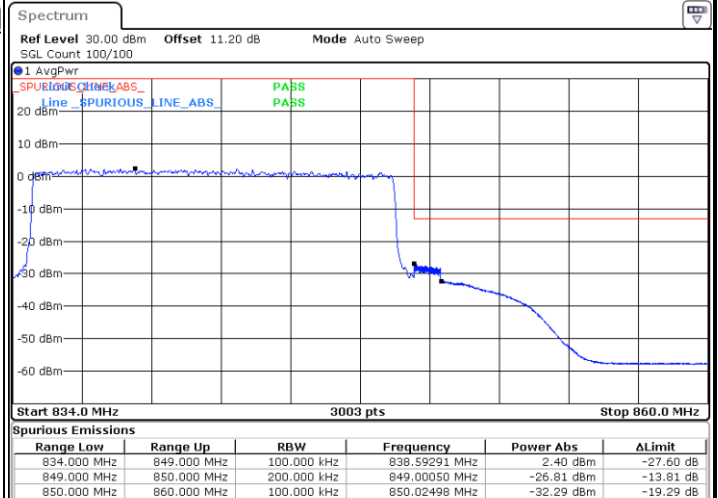
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



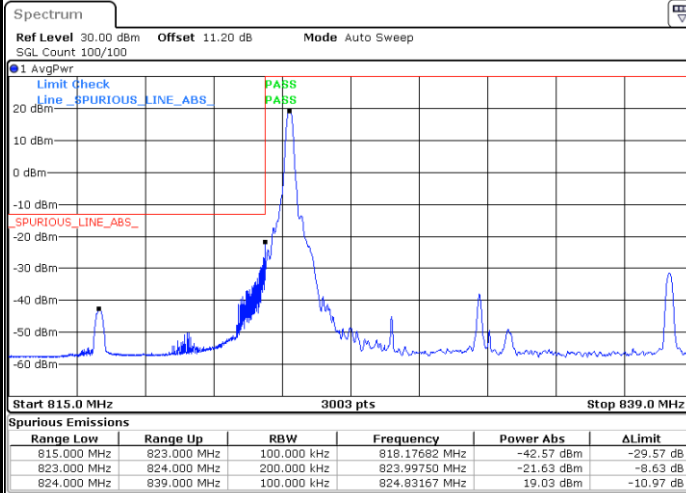
## Highest Band Edge / Full RB



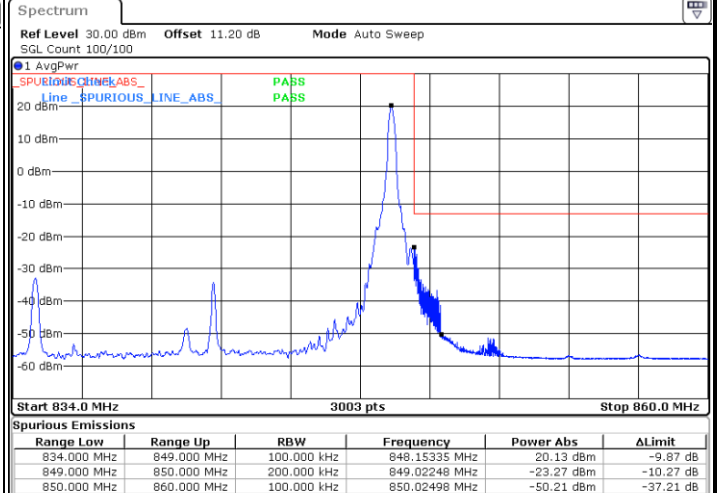


## LTE Band 26 / 15MHz / 16QAM

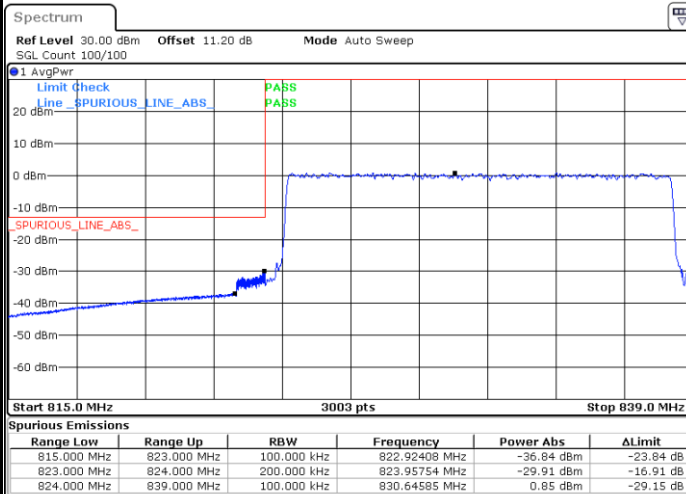
## Lowest Band Edge / 1 RB



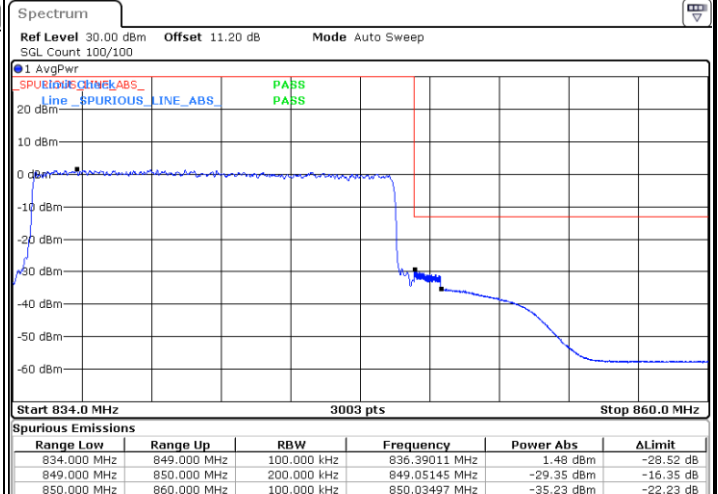
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



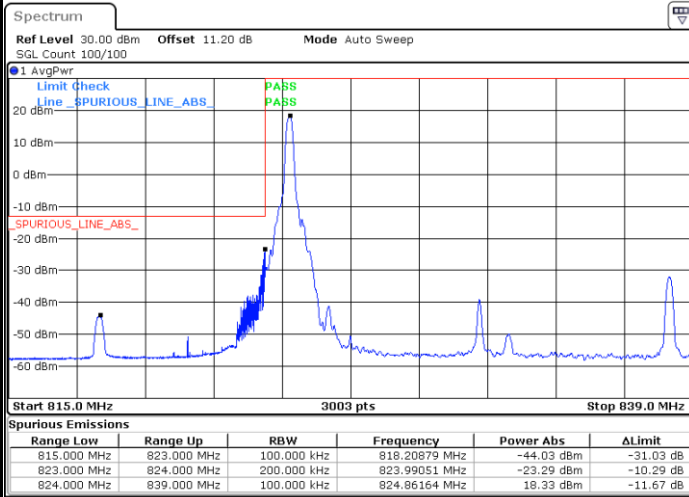
## Highest Band Edge / Full RB



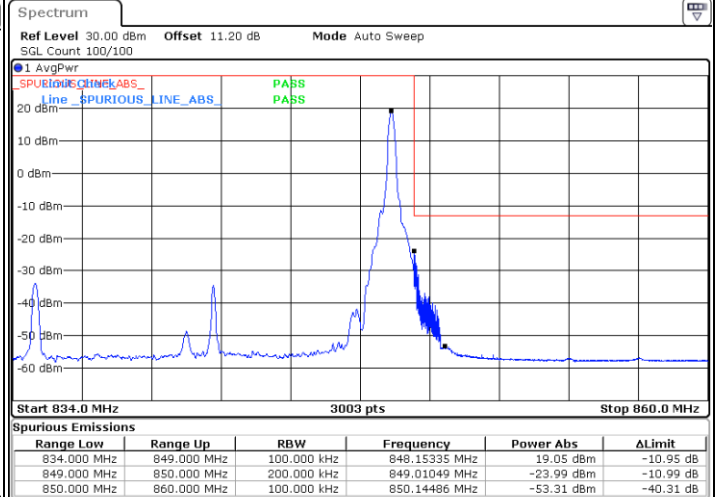


## LTE Band 26 / 15MHz / 64QAM

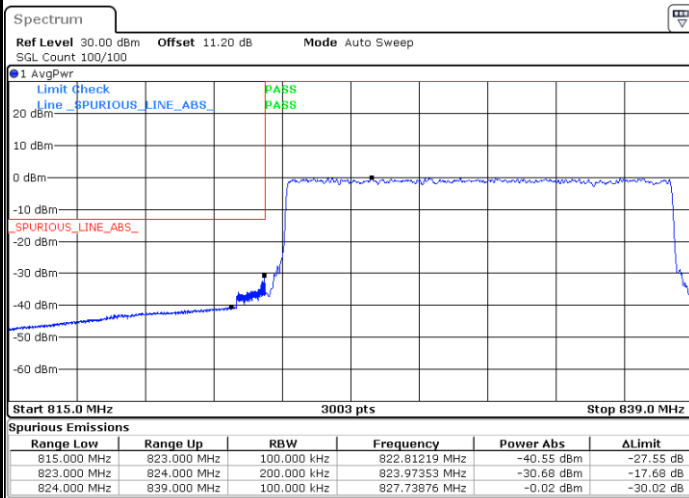
## Lowest Band Edge / 1 RB



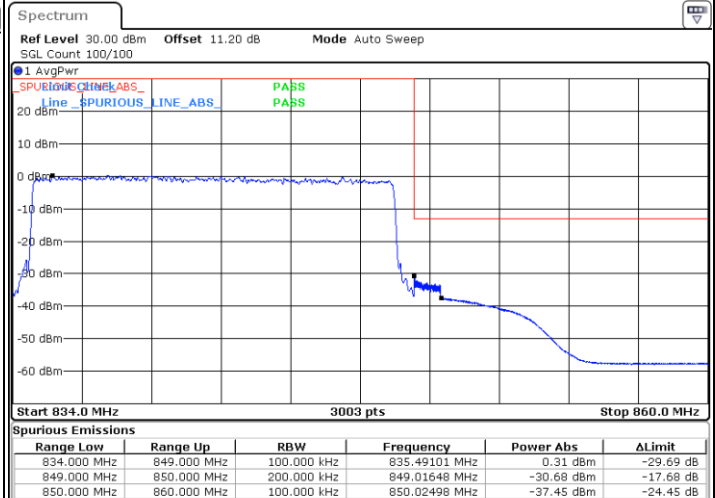
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



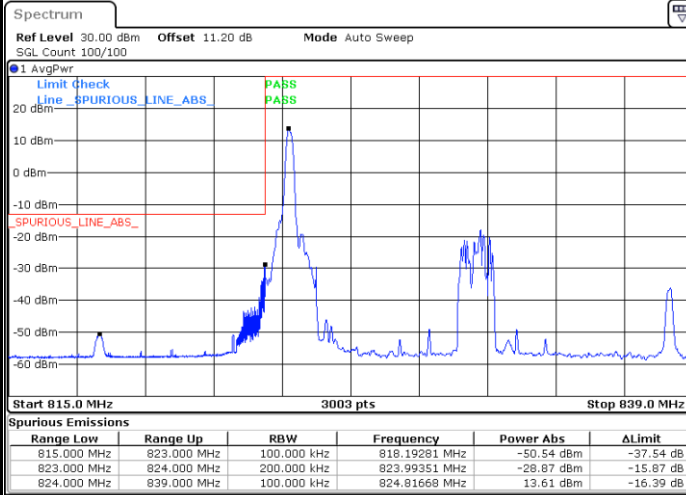
## Highest Band Edge / Full RB



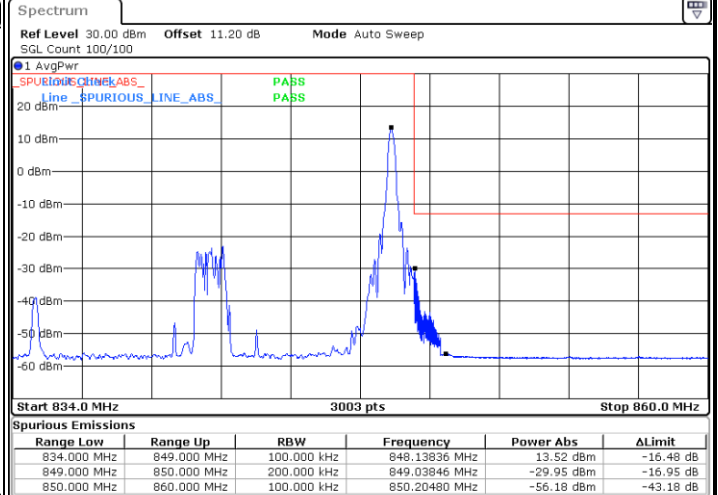


## LTE Band 26 / 15MHz / 256QAM

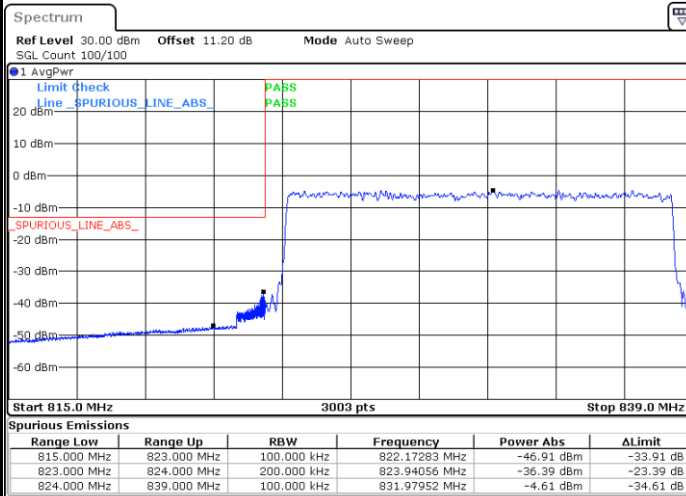
## Lowest Band Edge / 1 RB



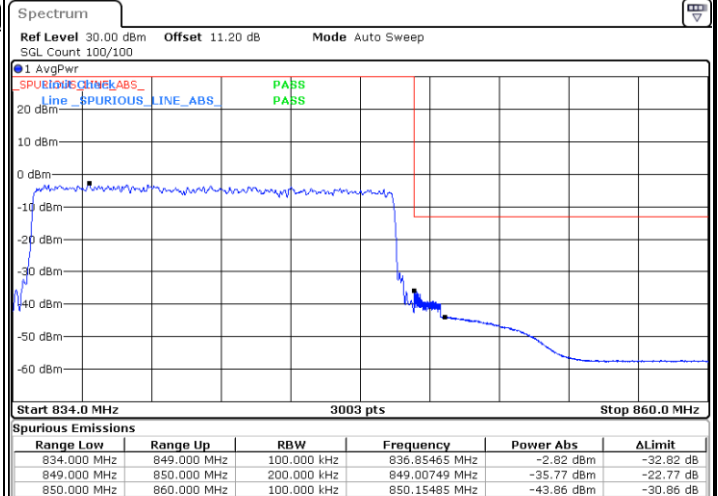
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

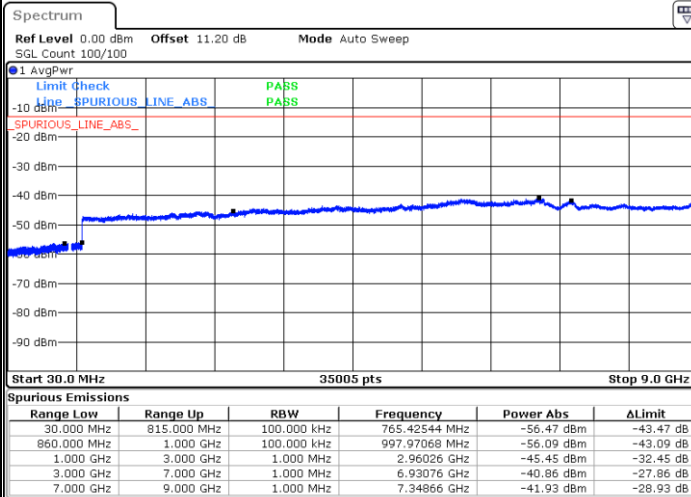




## Conducted Spurious Emission

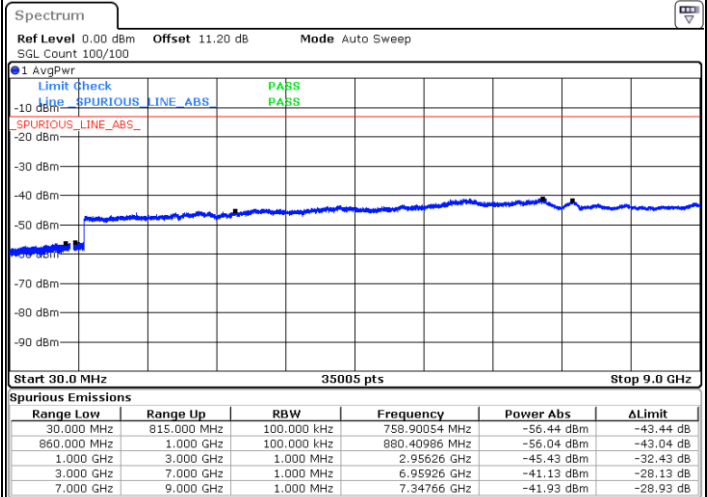
### LTE Band 26 / 1.4MHz

#### Lowest Channel / QPSK



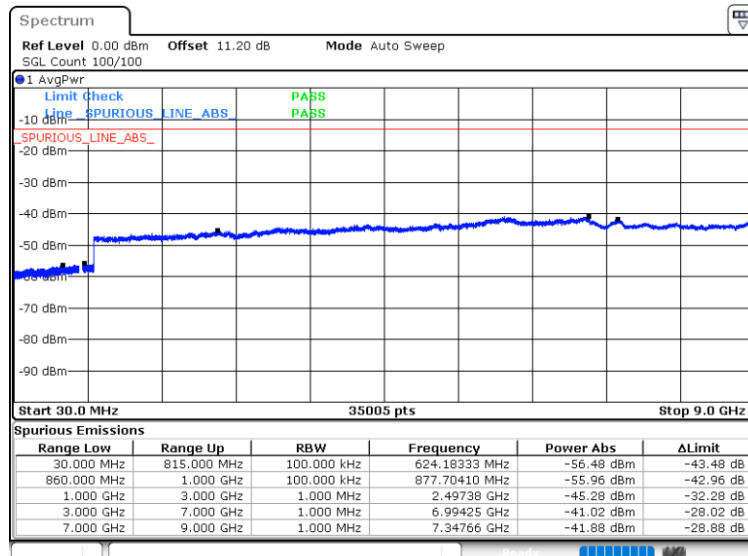
Date: 13.AUG.2022 05:13:48

#### Middle Channel / QPSK



Date: 13.AUG.2022 05:16:59

#### Highest Channel / QPSK

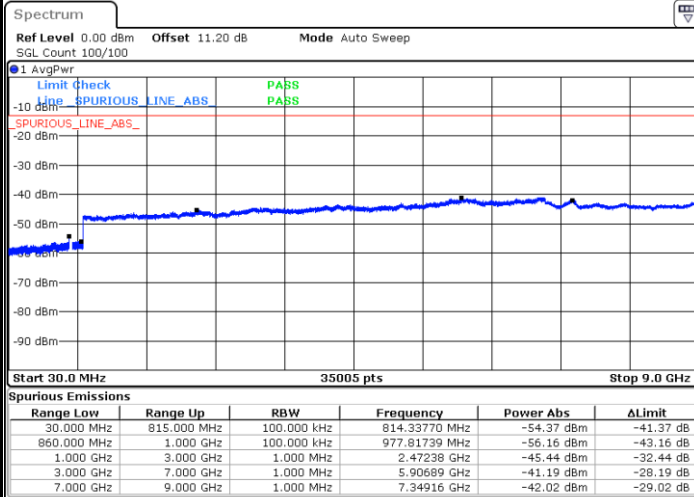


Date: 13.AUG.2022 05:22:25



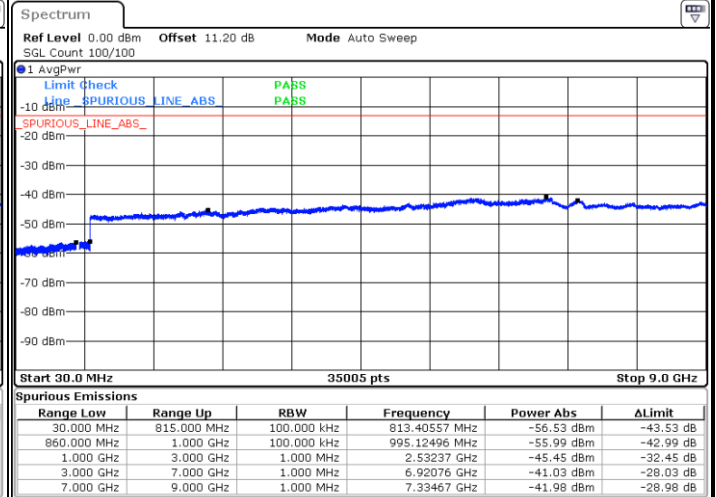
## LTE Band 26 / 3MHz

## Lowest Channel / QPSK



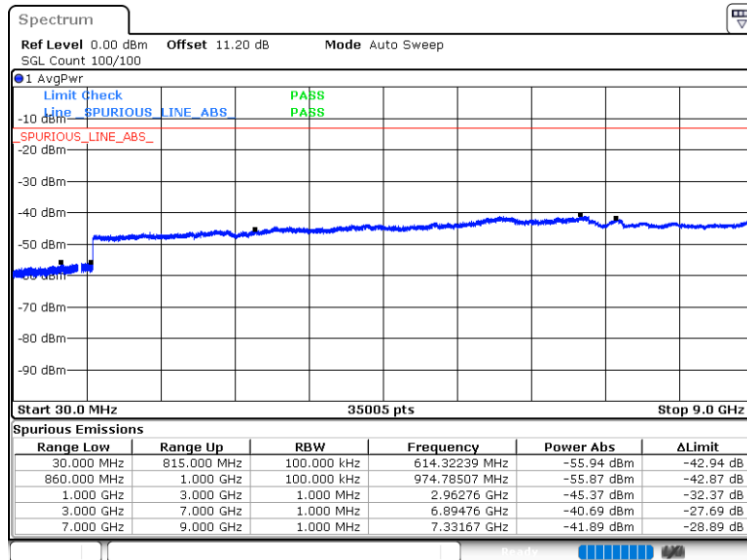
Date: 13.AUG.2022 05:37:03

## Middle Channel / QPSK



Date: 13.AUG.2022 05:40:14

## Highest Channel / QPSK

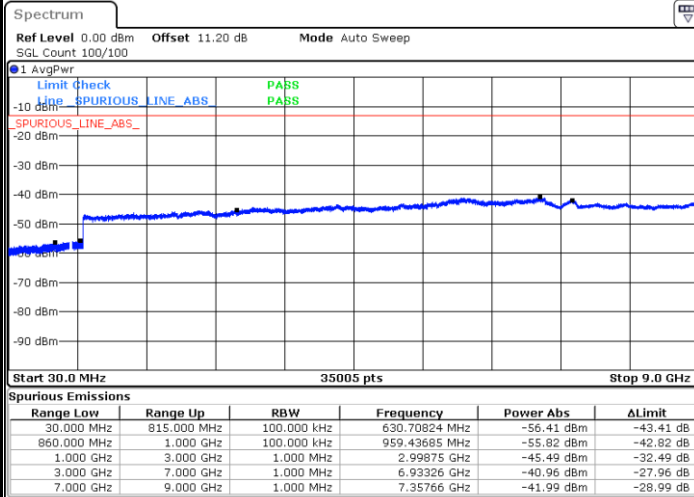


Date: 13.AUG.2022 05:45:39



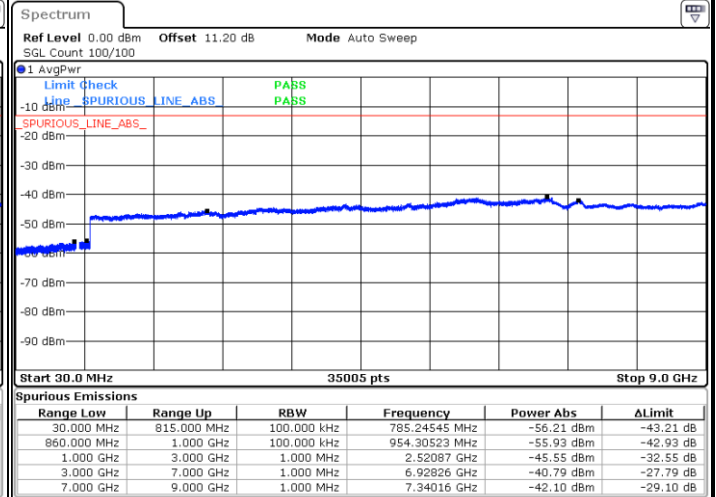
## LTE Band 26 / 5MHz

## Lowest Channel / QPSK



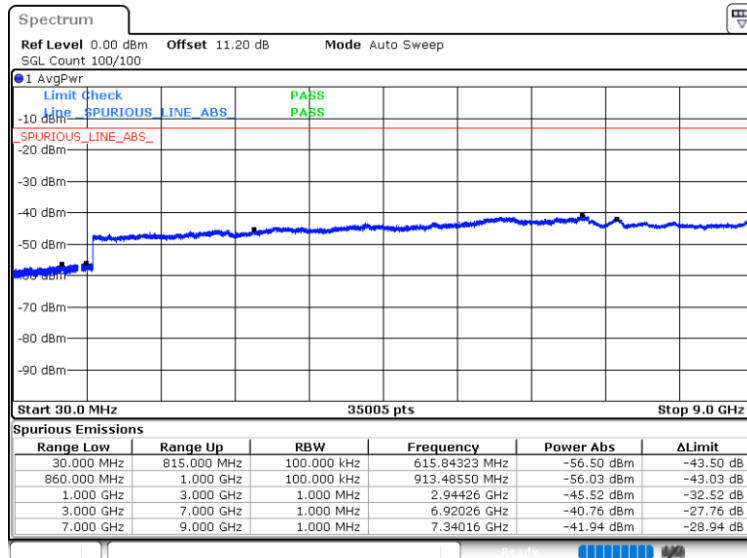
Date: 13.AUG.2022 05:50:54

## Middle Channel / QPSK



Date: 13.AUG.2022 05:54:06

## Highest Channel / QPSK

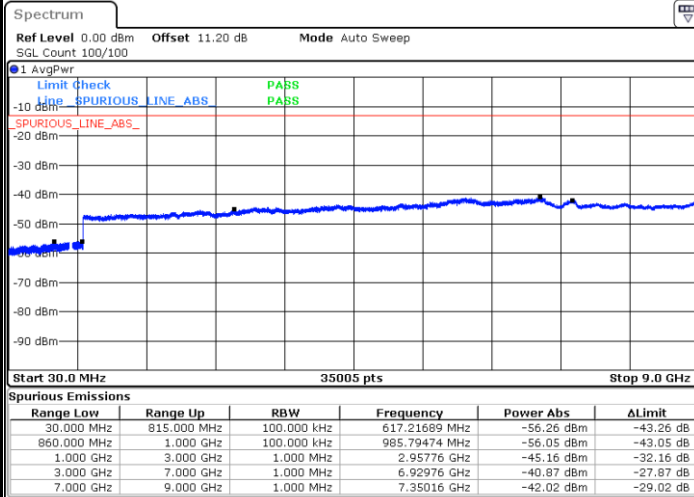


Date: 13.AUG.2022 05:59:31



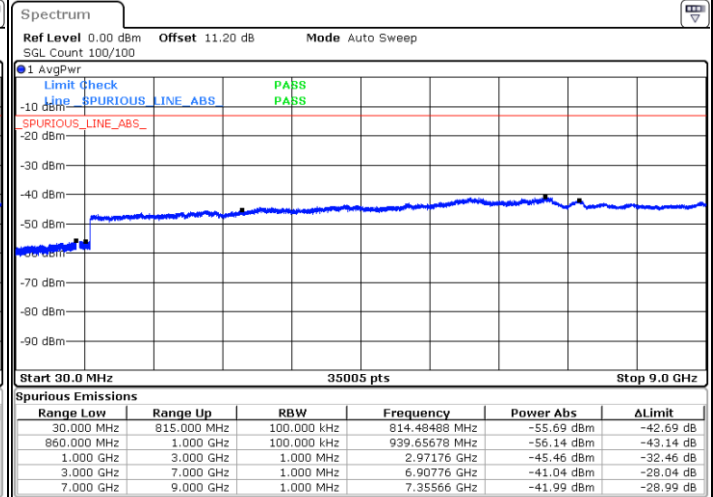
## LTE Band 26 / 10MHz

## Lowest Channel / QPSK



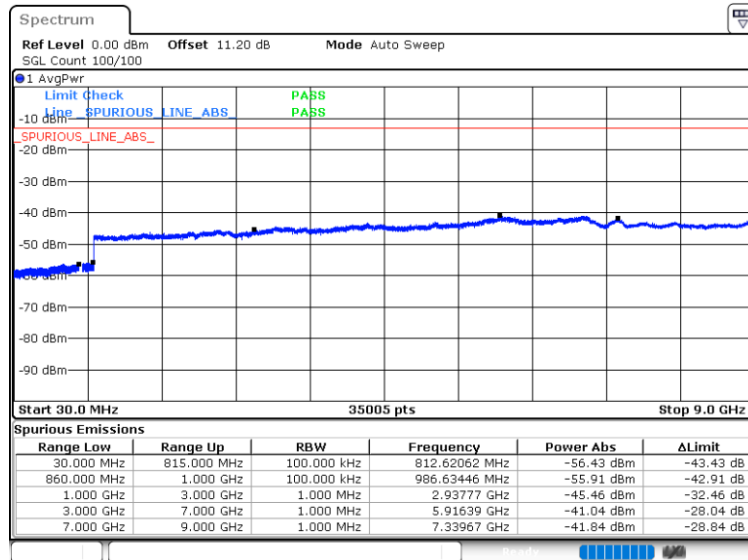
Date: 13.AUG.2022 06:09:28

## Middle Channel / QPSK



Date: 13.AUG.2022 06:12:39

## Highest Channel / QPSK



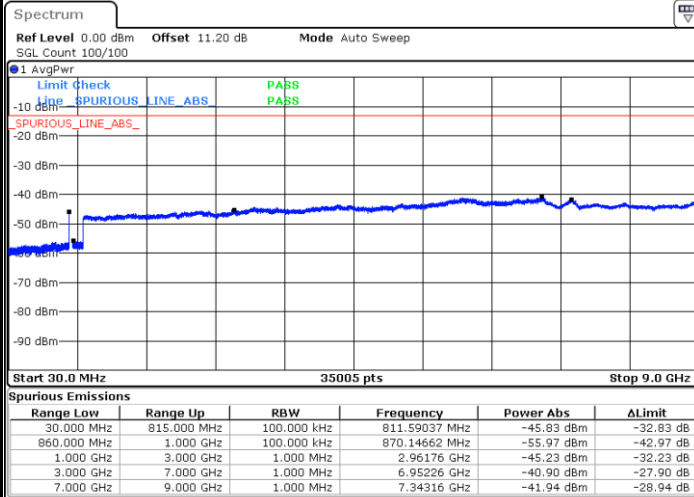
Date: 13.AUG.2022 06:18:04





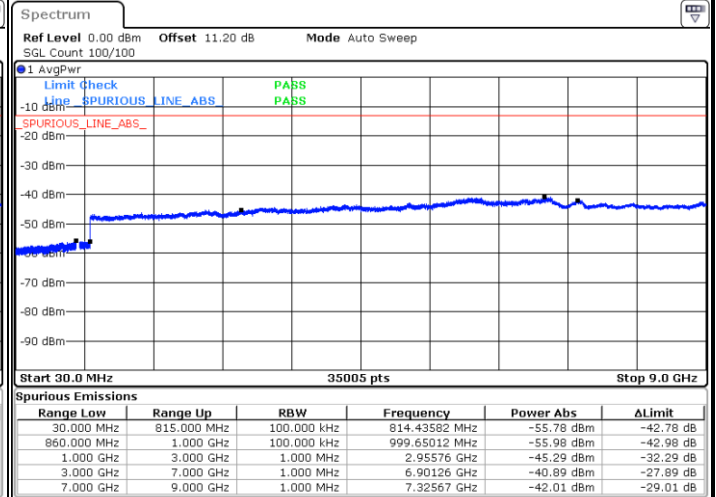
## LTE Band 26 / 15MHz

## Lowest Channel / QPSK



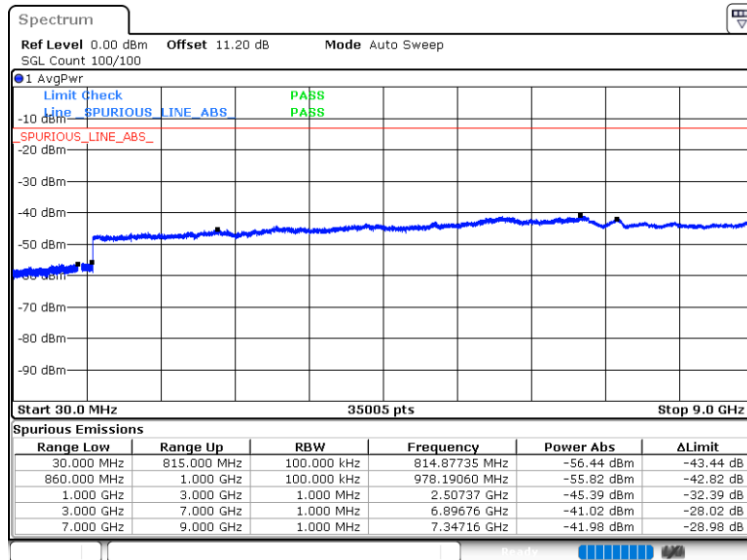
Date: 13.AUG.2022 06:32:36

## Middle Channel / QPSK



Date: 13.AUG.2022 06:35:47

## Highest Channel / QPSK



Date: 13.AUG.2022 06:41:12

## Frequency Stability

| Test Conditions     |                   | LTE Band 26 (QPSK) / Middle Channel | Limit   |
|---------------------|-------------------|-------------------------------------|---------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 10MHz                            | Note 2. |
|                     |                   | Deviation (ppm)                     | Result  |
| 50                  | Normal Voltage    | 0.0043                              | PASS    |
| 40                  | Normal Voltage    | 0.0008                              |         |
| 30                  | Normal Voltage    | 0.0022                              |         |
| 20(Ref.)            | Normal Voltage    | 0.0000                              |         |
| 10                  | Normal Voltage    | 0.0022                              |         |
| 0                   | Normal Voltage    | 0.0188                              |         |
| -10                 | Normal Voltage    | 0.0151                              |         |
| -20                 | Normal Voltage    | 0.0017                              |         |
| -30                 | Normal Voltage    | 0.0195                              |         |
| 20                  | Maximum Voltage   | 0.0194                              |         |
| 20                  | Normal Voltage    | 0.0000                              |         |
| 20                  | Battery End Point | 0.0143                              |         |

**Note:**

1. Normal Voltage = 3.3 V. ; Battery End Point (BEP) = 3.135 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

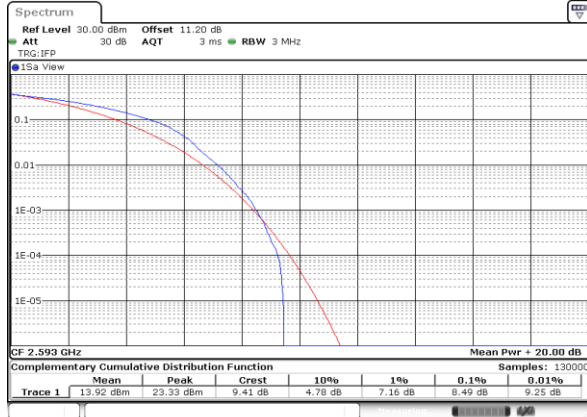
**LTE Band 41 (HPUE)****Peak-to-Average Ratio**

| Mode      | LTE Band 41 (HPUE) / 20MHz |         |         |         |             |
|-----------|----------------------------|---------|---------|---------|-------------|
| Mod.      | QPSK                       | 16QAM   | 64QAM   | 256QAM  | Limit: 13dB |
| RB Size   | Full RB                    | Full RB | Full RB | Full RB | Result      |
| Middle CH | 8.49                       | 8.96    | 9.25    | 9.22    | <b>PASS</b> |



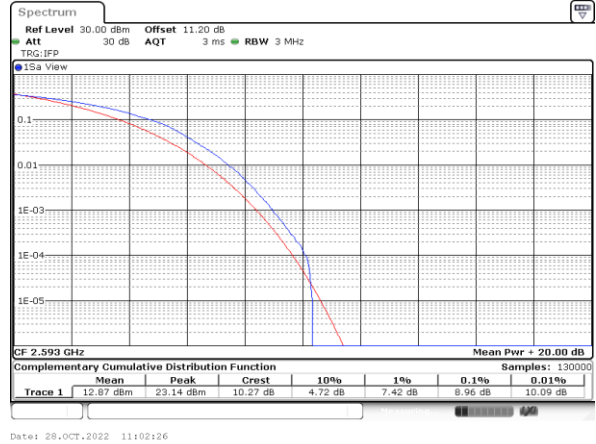
## LTE Band 41 (HPUE) / 20MHz / QPSK

## Middle Channel / Full RB



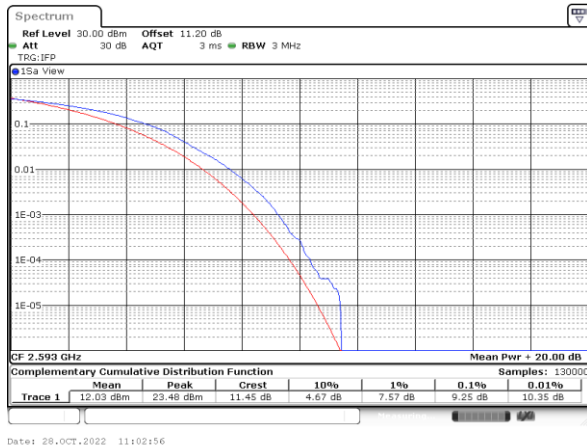
## LTE Band 41 (HPUE) / 20MHz / 16QAM

## Middle Channel / Full RB



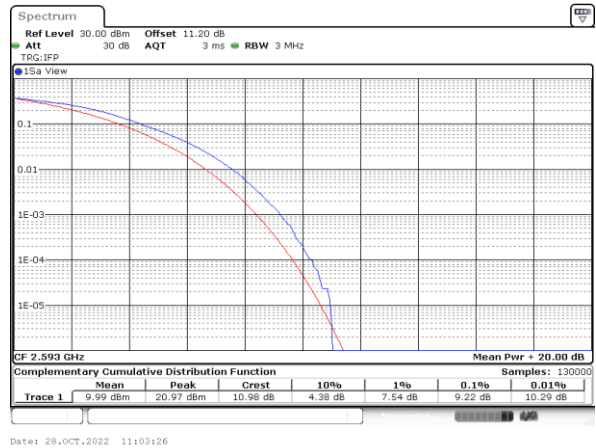
## LTE Band 41 (HPUE) / 20MHz / 64QAM

## Middle Channel / Full RB



## LTE Band 41 (HPUE) / 20MHz / 256QAM

## Middle Channel / Full RB

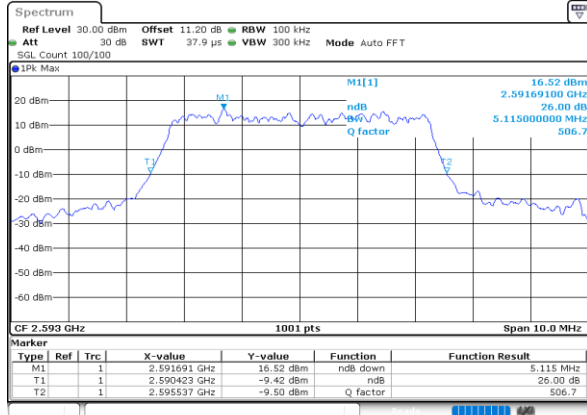


**26dB Bandwidth**

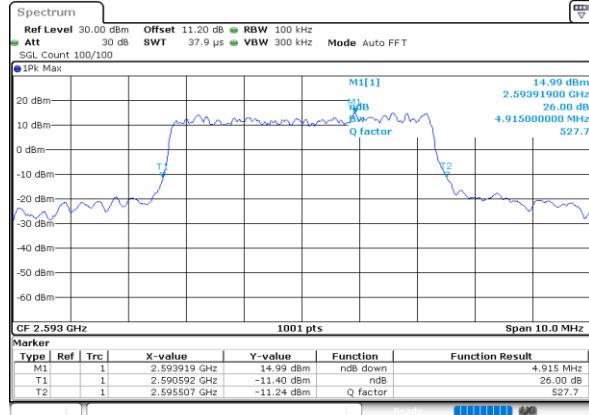
| Mode      | LTE Band 41 (HPUE) : 26dB BW(MHz) |        |       |        |       |        |       |        |       |        |       |        |
|-----------|-----------------------------------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| BW        | 1.4MHz                            |        | 3MHz  |        | 5MHz  |        | 10MHz |        | 15MHz |        | 20MHz |        |
| Mod.      | QPSK                              | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  |
| Middle CH | -                                 | -      | -     | -      | 5.12  | 4.92   | 9.79  | 9.67   | 14.27 | 14.27  | 18.74 | 18.62  |
| Mode      | LTE Band 41 (HPUE) : 26dB BW(MHz) |        |       |        |       |        |       |        |       |        |       |        |
| BW        | 1.4MHz                            |        | 3MHz  |        | 5MHz  |        | 10MHz |        | 15MHz |        | 20MHz |        |
| Mod.      | 64QAM                             | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | -                                 | -      | -     | -      | 4.85  | 4.93   | 9.99  | 9.85   | 14.18 | 14.24  | 19.18 | 19.10  |

### LTE Band 41 (HPUE)

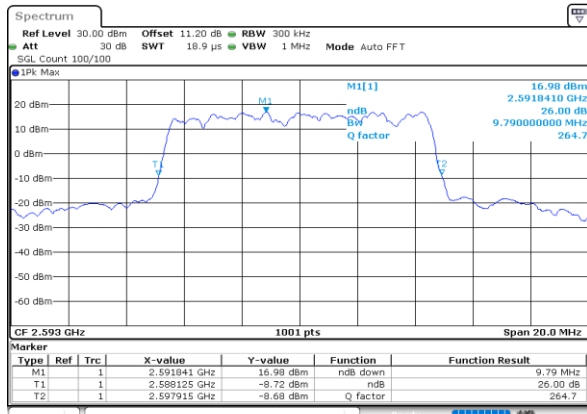
#### Middle Channel / 5MHz / QPSK



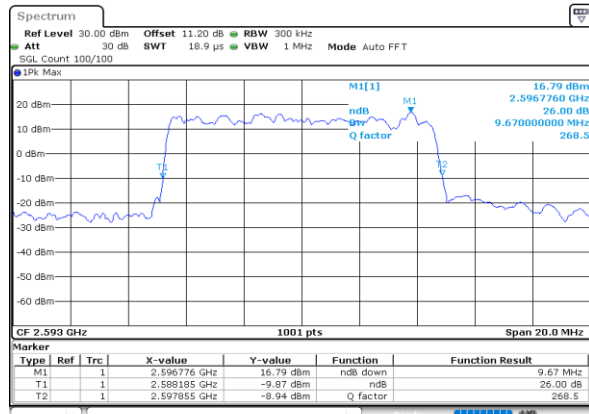
#### Middle Channel / 5MHz / 16QAM



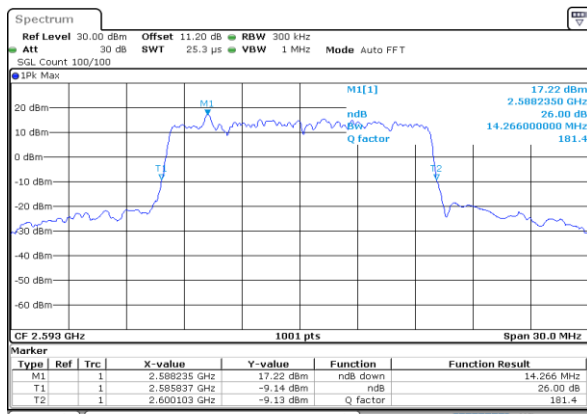
#### Middle Channel / 10MHz / QPSK



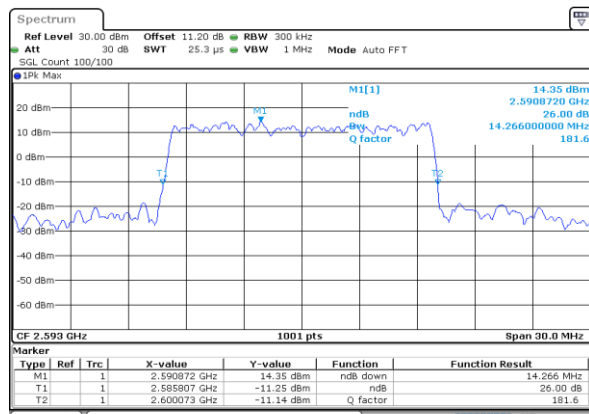
#### Middle Channel / 10MHz / 16QAM



#### Middle Channel / 15MHz / QPSK



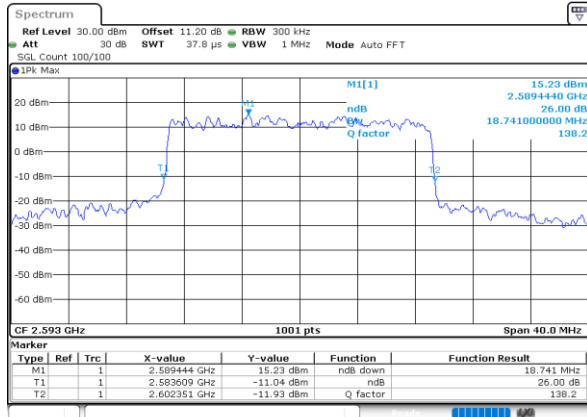
#### Middle Channel / 15MHz / 16QAM



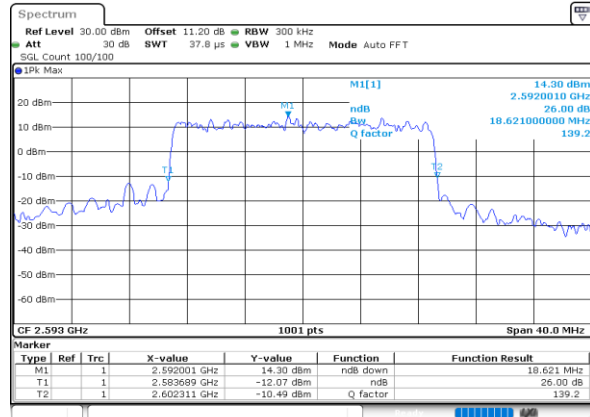


## LTE Band 41 (HPUE)

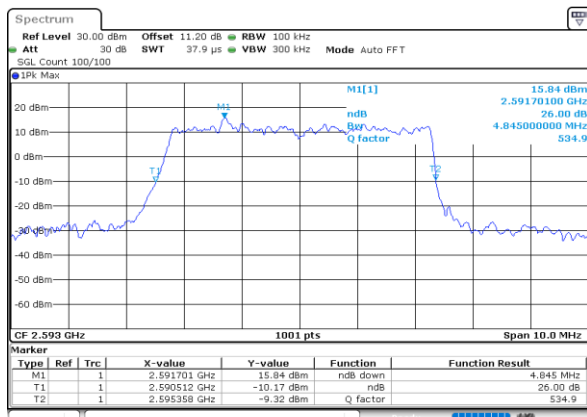
## Middle Channel / 20MHz / QPSK



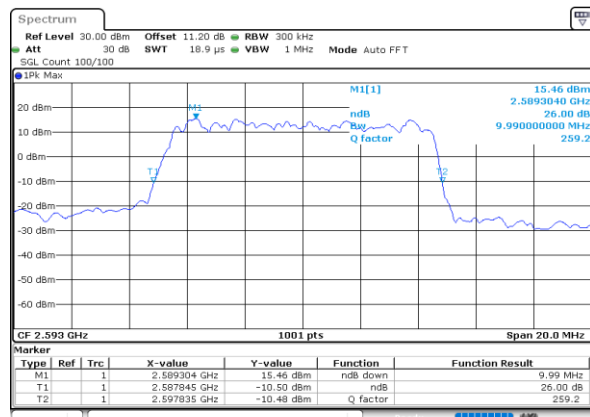
## Middle Channel / 20MHz / 16QAM



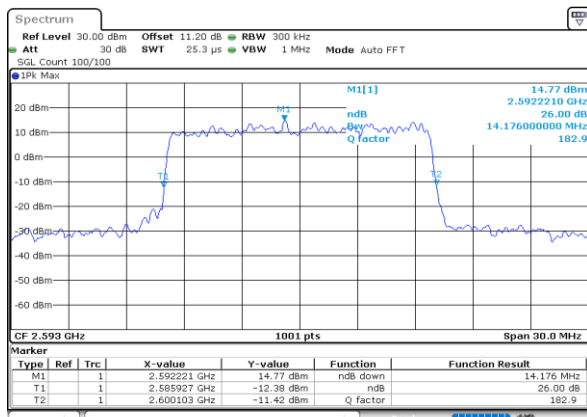
## Middle Channel / 5MHz / 64QAM



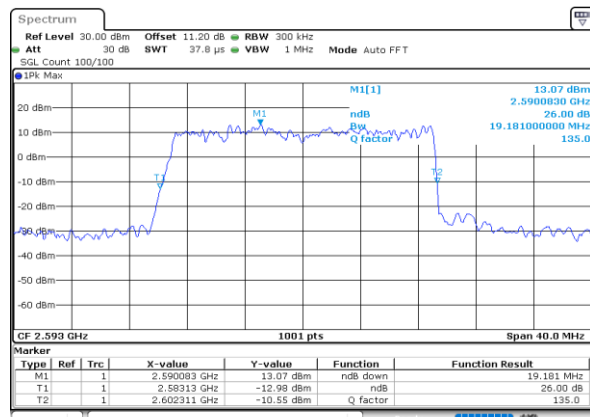
## Middle Channel / 10MHz / 64QAM



## Middle Channel / 15MHz / 64QAM



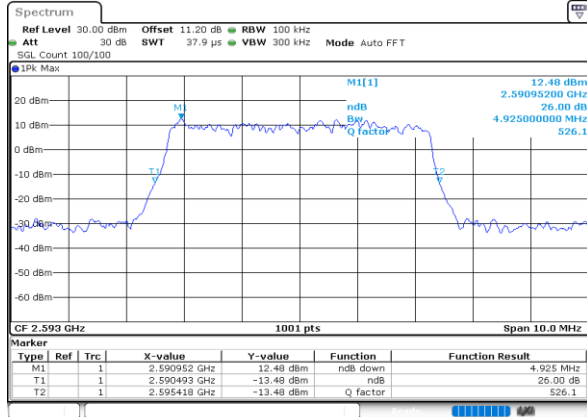
## Middle Channel / 20MHz / 64QAM



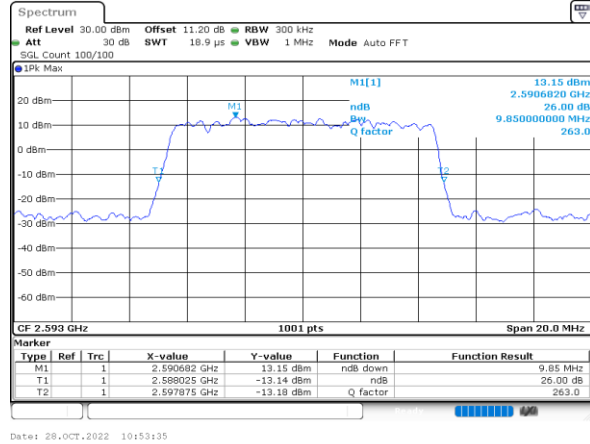


## LTE Band 41 (HPUE)

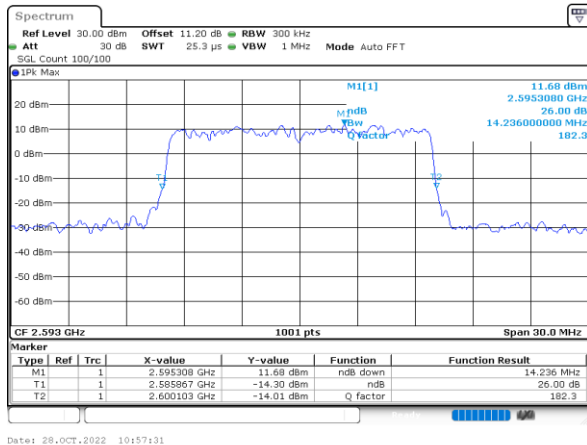
## Middle Channel / 5MHz / 256QAM



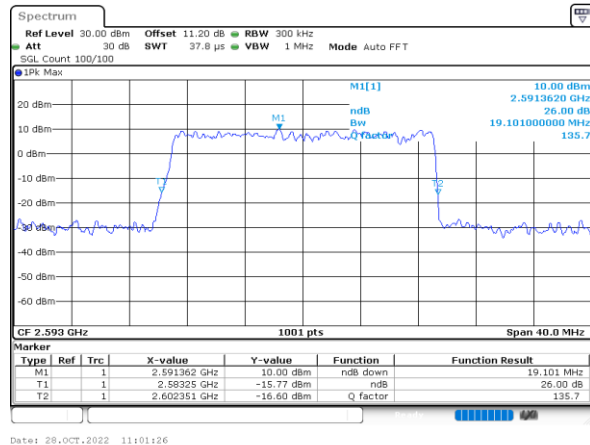
## Middle Channel / 10MHz / 256QAM



## Middle Channel / 15MHz / 256QAM



## Middle Channel / 20MHz / 256QAM





**Occupied Bandwidth**

| Mode      | LTE Band 41 (HPUE) : 99%OBW(MHz) |        |       |        |       |        |       |        |       |        |       |        |
|-----------|----------------------------------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| BW        | 1.4MHz                           |        | 3MHz  |        | 5MHz  |        | 10MHz |        | 15MHz |        | 20MHz |        |
| Mod.      | QPSK                             | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  |
| Middle CH | -                                | -      | -     | -      | 4.46  | 4.48   | 9.11  | 8.97   | 13.46 | 13.55  | 17.98 | 17.82  |
| Mode      | LTE Band 41 (HPUE) : 99%OBW(MHz) |        |       |        |       |        |       |        |       |        |       |        |
| BW        | 1.4MHz                           |        | 3MHz  |        | 5MHz  |        | 10MHz |        | 15MHz |        | 20MHz |        |
| Mod.      | 64QAM                            | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | -                                | -      | -     | -      | 4.49  | 4.49   | 8.99  | 9.03   | 13.46 | 13.55  | 17.86 | 17.94  |